

JCU ePrints

This file is part of the following reference:

Crossman, Peter John (1981) *The gross state product and an econometric model of the state of Queensland.* PhD thesis, James Cook University.

Access to this file is available from:

<http://eprints.jcu.edu.au/121767>



APPENDIX A

DATA SOURCES FOR QUEENSLAND GSP ESTIMATION

A description of what sources of data were necessary for the development of the estimates of Queensland gross state product, detailed in Chapter Three above, is best done by listing the source of each of the elements of the first half of Table 3.17 above. This table contains gross state product by industry and principal component. A blank outline is provided below:

Industry	Wages, salaries and supplements	Gross operating surplus	Gross state product at factor cost
Agriculture - Farm (F)			
- Non-farm (NF)			
Manufacturing (MAN)			
Electricity (ELE)			
Construction (CON)			
Trade (TRD)			
Transport (TRN)			
Finance (FIN)			
PAD (PAD)			
Community (COM)			
Ownership of dwellings (ODW)			
Nominal industry (NOM)			

Since gross state product at factor cost is found by adding wages, salaries and supplements and gross operating surplus, it is not necessary to examine those elements.

The Appendix A Table below gives a general outline of GSP estimation sources. Since a number of ABS publications are general

publications, i.e., they contain data on many different areas of economic statistics, it is possible to summarize the number of necessary publications considerably. For example, Yearbooks (over a number of years) contain data on population, national accounts, gross value of agricultural production, banking, integrated censuses of mining, manufacturing and electricity, water and gas, and so on. In a number of cases, the Yearbooks present insufficiently disaggregated data. In those cases, it is necessary to refer to more basic ABS publications, either specialist publications (e.g., 6214.0, *Civilian Employees*) or other general publications (e.g. 1304.3, *Monthly Summary of Statistics*). It is reassuring, however, that most of the necessary ABS sources are available in a number of different publications.

The FORTRAN compilation listing of GSP estimation programs, available on request from the author, also includes listings of some of the basic input data files. (Some of these are confidential.) These data file listings include, by data item, data source references.

Caution should be applied by those in other states wishing to use this method, its sources and its programs. It should be necessary to examine individually the data sources available from the state ABS office. In particular, the payroll tax tabulation work done will probably need to be done individually by state, since payroll tax is now a state tax, and may not be collected and tabulated in the same way as described above. Also, particular Queensland state ABS data may not be available in all states. Furthermore, particular work above, e.g., the work on sugar industry allocators, is obviously irrelevant in other states, which will have similar problems in other industries.

Appendix A Table: General outline of GSP estimation sources

Source	WSSQ					GOSQ						
	F	NF	MIN	MAN	ELE	CON	TRD	TRN	FIN	COM	ODW	NOM
ABS Publications (Cat. No.)												
1301.0	✓								✓	✓		
1301.3	✓								✓	✓		
1304.3	✓								✓	✓		✓
5203.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5204.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
5206.0	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
6214.0												
6302.0												
8704.3												
Payroll tax tabulations	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Department of Defence												
Sugar Yearbook	✓											
Commonwealth Public Service Board Annual Report	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ABS Censuses of Population and Housing 1971 Census Table 70 Employment by industry	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
1976 Census Table 161 Employment by industry	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ABS Integrated Register	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

APPENDIX B

QUEENSLAND AND AUSTRALIA ANNUAL GROSS PRODUCT
COMPARISON TABLES

The first part of this thesis was concerned with the estimation of the gross product of the State of Queensland on a quarterly basis for the 1970s. The data so estimated were then used to specify a quarterly econometric model of the Queensland economy.

Regional data of the kind produced in this study may be used for a purpose other than specifying an econometric model. In addition, the data may be used for interregional analysis, particularly for the examination of interregional disparities in economic structure and performance. In this sense the estimated data for Queensland may be used for a comparative study of the economic structures and performances of Queensland and Australia (the all-states average) over the period for which the estimates have been made. In this respect, the comparison would be made using Australian data available in the Australian National Accounts, National Income and Expenditure. In the past it has been possible to use these Accounts to make such comparative analyses only with respect to household income, the only state income series for which official estimates are made. The writer of this thesis has undertaken such studies in conjunction with Professor C.P. Harris of James Cook University.¹ Similar studies could also be made of Queensland and Australian relativities, although absence of consistent gross product estimates for the other states would not enable interstate disparities to be examined by reference to all states.

In regard to this second use of the gross product estimates, and since it is useful to have a complete set of these annual estimates and comparisons tabulated together, summary tables are given below showing the relative position of Queensland in Australia for the years 1968-69 to 1978-79.

¹See Harris and Crossman (1979) and Harris and Crossman (1981).

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-Apr-81

YEAR :1969-70

INDUSTRY	WSSO (\$M)	WSS (\$M)	QLD AS A % OF AUS (\$)	QLD AS A % OF QLD (\$)	AUS AS A % OF AUS (\$)	LOC- ATION QUOT- IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QLD PC AS A % OF AUS PC (\$)
AGRICULTURE, ETC.	91.58	417.00	21.96	4.66	2.60	1.79	55.13	33.52	-21.62	164.50
MINING	72.53	335.00	21.65	3.69	2.09	1.77	43.67	26.92	-16.74	162.16
MANUFACTURING	378.25	4652.00	8.13	19.25	28.98	0.66	227.71	373.90	146.18	62.90
ELECTRICITY, GAS, WATER	46.92	368.00	12.69	2.39	2.42	0.99	28.25	31.18	2.94	94.57
CONSTRUCTION	222.80	1632.00	13.65	11.34	10.17	1.12	134.13	131.17	-2.96	102.26
WHOLESALE, RETAIL TRADE	352.59	2567.00	13.74	17.94	15.99	1.12	212.27	206.32	-5.95	122.88
TRANSPORT, STOR., COMM.	230.71	1355.00	17.03	11.74	8.44	1.39	138.89	108.91	-29.99	127.54
FINANCE, ETC, BUS. SERV.	129.66	1215.00	10.69	6.61	7.57	0.87	73.19	97.65	19.46	80.07
PUBLIC ADMIN. AND DEFENCE	162.38	1086.00	14.95	8.26	6.77	1.22	97.70	87.29	-10.47	112.00
COMMUNITY SERV., ENTERT.	277.33	2406.00	11.53	14.11	14.99	0.94	166.96	193.38	26.42	86.34
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	1965.00	16053.00	12.24	100.00	100.00	1.00	1182.96	1290.23	107.26	91.69

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-Apr-81

YEAR : 1969-70

INDUSTRY	GOSQ (SM)	GOS (SM)	QD AS A % OF QD (%)	QD AS A % OF QD (%)	AUS AS A % OF AUS (%)	LOC- RION COUT- IENT	QD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	382.86	1745.77	21.94	24.16	15.42	1.57	232.49	142.25	-90.24	164.34
MINING	100.04	576.00	17.37	6.31	5.09	1.24	60.23	46.29	-13.93	130.49
MANUFACTURING	242.95	2348.00	10.26	15.20	20.75	0.73	145.06	188.72	43.66	76.87
ELECTRICITY, GAS, WATER	74.13	568.20	13.05	4.68	5.02	0.93	44.63	45.05	1.02	97.76
CONSTRUCTION	83.28	610.00	13.65	5.25	5.39	0.97	50.13	49.03	-1.11	102.26
WHOLESALE, RETAIL TRADE	241.80	1761.00	13.74	15.26	15.56	0.98	145.62	141.54	-4.08	102.83
TRANSPORT, STOR., COMM.	155.97	916.00	17.03	9.84	8.09	1.22	93.09	73.62	-20.27	127.54
FINANCE, ETC, BUS. SERV.	132.45	1239.00	10.69	8.36	10.95	0.76	79.74	99.58	19.84	80.07
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	76.05	665.00	11.53	4.84	5.88	0.82	46.15	53.45	7.30	80.34
OWNERSHIP OF DWELLINGS	167.74	1519.00	12.36	11.85	13.42	0.88	113.02	122.09	9.06	92.58
NOMINAL INDUSTRY	91.05	631.00	14.43	5.74	5.58	1.03	51.81	50.72	-4.10	108.08
TOTAL INDUSTRY	1584.91	11316.00	14.01	100.00	100.00	1.00	254.15	209.50	-44.65	104.31

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1969-70

INDUSTRY	GSPQ (\$M)	GDP (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	474.45	2162.00	21.94	13.37	7.93	1.69	285.62	173.77	-111.86	164.37
MINING	172.57	911.00	18.94	4.85	3.33	1.46	103.89	73.22	-30.67	141.69
MANUFACTURING	619.20	7000.00	8.65	17.44	25.58	0.68	372.77	562.61	189.84	66.26
ELECTRICITY, GAS, WATER	121.05	956.00	12.66	3.41	3.49	0.98	72.87	76.84	3.96	94.84
CONSTRUCTION	306.07	2242.00	13.65	8.62	8.19	1.05	184.26	180.20	-4.06	102.26
WHOLESALE, RETAIL TRADE	594.48	4326.00	13.74	16.75	15.81	1.06	357.69	347.35	-10.33	102.98
TRANSPORT, STOR., COMM.	386.68	2271.00	17.03	10.89	9.50	1.31	232.79	182.53	-50.26	127.54
FINANCE, ETC, BUS. SERV.	262.33	2454.00	10.69	7.39	9.97	0.82	157.93	197.24	39.31	80.07
PUBLIC ADMIN. AND DEFENCE	162.38	1086.00	14.95	4.57	3.97	1.15	97.76	87.29	-10.47	112.00
COMMUNITY SERV., ENTERT.	353.98	3671.00	11.53	9.97	11.22	0.89	213.10	246.83	33.72	66.34
OWNERSHIP OF DWELLINGS	187.74	1519.00	12.36	5.29	5.55	0.95	113.02	122.09	9.06	92.56
NOMINAL INDUSTRY	91.05	631.00	14.43	2.56	2.31	1.11	54.61	50.72	-4.10	108.08
TOTAL INDUSTRY	3549.90	27369.00	12.97	100.00	100.00	1.00	2137.10	2199.73	62.63	97.15

WAGES SALARIES AND SUPPLEMENTS
 OVEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81
 YEAR :1976-71

INDUSTRY	WSSO (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD FC AS A % OF AUS FC (\$)
AGRICULTURE, ETC.	94.42	434.00	21.76	4.16	2.36	1.76	51.06	33.99	-17.07	150.23
MINING	91.87	401.00	22.91	4.05	2.18	1.86	49.88	31.42	-18.28	156.20
MANUFACTURING	417.75	5164.00	8.09	16.40	28.05	2.66	225.93	404.39	178.49	55.86
ELECTRICITY, GAS, WATER	54.43	446.00	12.20	2.40	2.42	0.99	29.43	34.93	5.49	64.27
CONSTRUCTION	266.43	1867.00	14.38	11.83	10.14	1.17	145.16	145.20	1.05	99.28
WHOLESALE, RETAIL TRADE	405.18	2886.00	14.04	17.35	15.68	1.14	219.11	226.02	6.90	96.95
TRANSPORT, STOR., COMM.	265.94	1608.00	16.54	11.72	8.73	1.34	143.81	125.92	-17.89	114.21
FINANCE, ETC, BUS. SERV.	151.26	1420.00	10.65	6.66	7.71	0.86	81.80	111.20	29.40	73.56
PUBLIC ADMIN. AND DEFENCE	194.83	1295.00	15.04	8.58	7.03	1.22	105.36	101.41	-3.94	103.89
COMMUNITY SERV., ENTERT.	325.86	2890.00	11.28	14.36	15.70	0.91	176.21	226.31	50.10	77.86
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	2270.00	18411.00	12.33	100.00	100.00	1.00	1227.52	1441.76	214.23	85.14

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-Apr-81
YEAR : 1970-71

INDUSTRY	GOSO (\$M)	GOS (\$M)	QLD AS A % OF AUS (%)	QLD AS A % OF AUS (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PSR CAPITA DIFFER (\$)	QLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	359.40	1563.00	22.70	21.97	13.30	1.65	194.35	123.96	-70.39	156.78
MINING	127.88	649.00	19.70	7.82	5.45	1.43	69.15	50.82	-18.33	130.06
MANUFACTURING	279.79	2490.00	9.23	14.04	20.92	0.67	124.26	194.99	70.73	63.73
ELECTRICITY, GAS, WATER	77.38	599.00	12.92	4.73	5.03	0.94	41.85	46.91	5.06	89.21
CONSTRUCTION	93.02	647.00	14.38	5.69	5.44	1.05	50.30	50.67	0.36	99.28
WHOLESALE, RETAIL TRADE	249.48	1777.00	14.04	15.25	14.93	1.02	134.91	139.16	4.25	96.95
TRANSPORT, STOR., COMM.	149.51	904.00	16.54	9.14	7.60	1.20	80.85	70.79	-10.06	114.21
FINANCE, ETC, BUS. SERV.	153.71	1443.00	10.65	9.39	12.12	0.77	83.12	113.00	29.88	73.56
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	81.16	720.00	11.28	4.96	6.05	0.82	43.90	56.38	12.48	77.05
OWNERSHIP OF DWELLINGS	217.25	1797.00	12.09	13.28	15.10	0.88	117.48	140.72	23.24	83.48
NOMINAL INDUSTRY	102.44	707.00	14.49	6.26	5.94	1.25	55.40	55.36	-0.03	100.06
TOTAL INDUSTRY	636.18	11902.00	13.75	100.00	100.00	1.00	584.78	932.04	47.26	94.93

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1970-71

INDUSTRY	GSPQ (\$M)	GDP (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	453.83	2017.00	22.50	11.62	6.65	1.75	245.41	157.95	-87.46	155.37
MINING	219.75	1050.00	20.93	5.63	3.46	1.62	118.83	82.23	-36.60	144.52
MANUFACTURING	647.54	7654.00	8.46	16.58	25.25	0.66	350.17	599.38	249.22	58.42
ELECTRICITY, GAS, WATER	131.81	1045.00	12.61	3.37	3.45	0.98	71.28	81.83	10.56	87.10
CONSTRUCTION	361.45	2514.00	14.38	9.25	8.29	1.12	195.46	196.87	1.41	99.28
WHOLESALE, RETAIL TRADE	654.66	4663.00	14.04	16.76	15.38	1.09	354.02	365.16	11.14	96.95
TRANSPORT, STOR., COMM.	415.45	2512.00	16.54	10.64	8.29	1.28	224.66	196.71	-27.95	114.21
FINANCE, ETC, BUS. SERV.	304.98	2863.00	10.65	7.81	9.44	0.83	164.92	224.20	59.28	73.56
PUBLIC ADMIN. AND DEFENCE	194.83	1295.00	15.04	4.99	4.27	1.17	105.36	101.41	-3.94	103.89
COMMUNITY SERV., ENTERT.	407.05	3610.00	11.28	10.42	11.91	0.88	220.12	282.70	62.58	77.86
OWNERSHIP OF DWELLINGS	217.25	1797.20	12.09	5.56	5.93	0.94	117.48	140.72	23.24	83.48
NOMINAL INDUSTRY	102.44	707.00	14.49	2.62	2.33	1.12	55.40	55.36	-0.03	100.06
TOTAL INDUSTRY	3906.16	30313.00	12.89	100.00	100.00	1.00	2112.29	2373.80	261.51	88.98

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1971-72

INDUSTRY	WSSQ (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER- ENCE (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	89.25	437.00	20.42	3.47	2.13	1.63	46.81	33.45	-13.36	139.93
MINING	107.40	459.00	23.40	4.17	2.23	1.87	56.33	35.14	-21.20	160.32
MANUFACTURING	474.90	5652.00	8.40	16.44	27.49	0.67	249.07	432.66	183.58	57.57
ELECTRICITY, GAS, WATER	61.65	506.00	12.18	2.39	2.46	0.97	32.34	38.73	6.40	63.48
CONSTRUCTION	304.84	2067.00	14.75	11.84	10.05	1.18	159.88	158.23	-1.66	101.05
WHOLESALE, RETAIL TRADE	453.97	3170.00	14.32	17.63	15.42	1.14	238.10	242.06	4.56	98.12
TRANSPORT, STOR., COMM.	292.69	1752.00	16.71	11.37	8.52	1.33	153.51	134.11	-19.39	114.46
FINANCE, ETC, BUS. SERV.	177.90	1631.00	10.91	6.91	7.93	0.87	93.30	124.85	31.55	74.73
PUBLIC ADMIN. AND DEFENCE	232.06	1489.00	15.59	9.01	7.24	1.24	121.71	113.98	-7.73	106.78
COMMUNITY SERV., ENTERT.	380.30	3394.00	11.21	14.77	16.51	0.89	199.46	259.81	60.35	70.77
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	2575.00	20557.00	12.53	100.00	100.00	1.00	1350.52	1573.62	223.10	85.82

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1971-72

INDUSTRY	GOSQ (SM)	GOS (SV)	OLD AS A % OF AUS (\$)	OLD AS A % OF QLD (\$)	AUS AS A % OF AUS (\$)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (\$)
AGRICULTURE, ETC.	453.85	1895.00	23.95	24.00	14.27	1.68	238.03	145.06	-92.97	164.09
MINING	125.18	803.00	15.59	6.62	6.05	1.09	65.65	61.47	-4.19	106.81
MANUFACTURING	259.04	2496.00	10.38	13.70	18.80	0.73	135.86	191.07	55.21	71.11
ELECTRICITY, GAS, WATER	83.32	661.00	12.61	4.41	4.98	0.89	43.70	50.00	6.30	86.37
CONSTRUCTION	108.99	739.00	14.75	5.76	5.57	1.04	57.16	56.57	-0.59	101.05
WHOLESALE, RETAIL TRADE	274.68	1918.00	14.32	14.52	14.44	1.01	143.06	146.82	2.76	98.12
TRANSPORT, STOR., COMM.	170.73	1022.00	16.71	9.03	7.70	1.17	89.55	75.23	-11.31	114.46
FINANCE, ETC, BUS. SERV.	181.50	1664.00	10.91	9.60	12.53	0.77	95.19	127.38	32.19	74.73
PUBLIC ADMIN. AND DEFENCE	9.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	91.21	814.00	11.21	4.82	6.13	0.79	47.84	62.31	14.47	70.77
OWNERSHIP OF DWELLINGS	260.94	2076.00	12.57	13.80	15.63	0.88	136.85	158.92	22.06	80.12
NOMINAL INDUSTRY	118.32	810.00	14.51	6.26	6.10	1.03	62.06	62.00	-0.05	100.00
TOTAL INDUSTRY	1891.12	13278.00	14.24	100.00	100.00	1.00	991.64	1016.42	24.58	97.58

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE: 4-APR-81
YEAR: 1971-72

INDUSTRY	GSPG (\$M)	GDP (\$B)	OLD AS A % OF AUS (\$)	OLD AS A % OF OLD (\$)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (\$)
AGRICULTURE, ETC.	543.10	2332.00	23.29	12.16	6.89	1.76	284.84	178.51	-106.33	159.57
MINING	232.59	1262.00	18.43	5.21	3.73	1.40	121.99	96.61	-25.38	126.27
MANUFACTURING	733.94	8148.00	9.01	16.43	24.08	0.68	364.94	623.72	238.79	61.72
ELECTRICITY, GAS, WATER	144.98	1167.00	12.42	3.25	3.45	0.94	76.04	89.33	13.29	65.12
CONSTRUCTION	413.83	2806.00	14.75	9.27	8.29	1.12	217.04	214.80	-2.25	101.05
WHOLESALE, RETAIL TRADE	728.65	5088.00	14.32	16.32	15.04	1.08	382.16	389.48	7.32	98.12
TRANSPORT, STOR., COMM.	463.42	2774.00	16.71	10.38	8.20	1.27	243.05	212.35	-30.71	114.46
FINANCE, ETC, BUS. SERV.	359.39	3295.00	10.91	8.05	9.74	0.83	188.49	252.23	63.74	74.73
PUBLIC ADMIN. AND DEFENCE	232.06	1489.00	15.59	5.20	4.40	1.18	121.71	113.98	-7.73	106.78
COMMUNITY SERV., ENTERT.	471.51	4208.00	11.21	10.56	12.44	0.85	247.29	322.12	74.82	70.77
OWNERSHIP OF DWELLINGS	260.94	2076.00	12.57	5.84	6.14	0.95	136.85	158.92	22.06	66.12
NOMINAL INDUSTRY	118.32	610.00	14.61	2.65	2.39	1.11	62.66	62.00	-0.65	102.08
TOTAL INDUSTRY	4466.09	33835.00	13.20	100.00	100.00	1.00	2342.36	2590.04	247.69	92.44

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1972-73

INDUSTRY	WSSQ (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	103.44	486.00	21.28	3.44	2.12	1.63	52.74	36.59	-16.15	144.12
MINING	121.27	507.00	23.92	4.64	2.21	1.83	61.83	38.17	-23.66	161.97
MANUFACTURING	551.83	6184.00	8.92	18.38	26.93	0.68	281.36	465.62	184.27	60.43
ELECTRICITY, GAS, WATER	70.75	569.00	12.43	2.36	2.48	0.95	36.07	42.84	6.77	84.20
CONSTRUCTION	356.92	2252.00	15.85	11.89	9.81	1.21	181.98	169.56	-12.42	107.32
WHOLESALE, RETAIL TRADE	534.31	3562.00	15.00	17.79	15.51	1.15	272.42	268.20	-4.22	141.57
TRANSPORT, STOR., COMN.	338.75	1972.00	17.18	11.28	8.59	1.31	172.72	148.48	-24.23	110.32
FINANCE, ETC, BUS. SERV.	215.77	1862.00	11.59	7.19	8.11	0.89	110.01	140.20	30.19	78.47
PUBLIC ADMIN. AND DEFENCE	262.24	1692.00	15.50	8.73	7.37	1.19	133.70	127.40	-6.30	104.95
COMMUNITY SERV., ENTERT.	447.69	3877.00	11.55	14.91	16.88	0.88	228.26	291.92	63.66	78.19
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	3003.00	22963.00	13.08	100.00	100.00	1.00	1531.10	1729.00	197.90	88.55

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR :1972-73

INDUSTRY	GOSQ (SM)	GOS (SM)	GLD AS A % OF AUS (%)	GLD AS A % OF GLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	GLD PER CAPITA (S)	AUS PER CAPITA (S)	PLR CAPITA DIFFER (S)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	564.90	2695.00	21.69	24.46	16.78	1.46	298.02	196.14	-91.88	146.84
MINING	170.61	882.00	19.34	7.39	5.68	1.30	86.99	66.41	-20.58	130.99
MANUFACTURING	323.10	2810.00	11.50	13.99	18.10	0.77	161.73	211.58	46.85	77.86
ELECTRICITY, GAS, WATER	100.97	747.00	13.52	4.37	4.81	0.91	51.48	56.25	4.76	51.53
CONSTRUCTION	137.73	869.00	15.85	5.96	5.60	1.07	70.22	65.43	-4.79	107.32
WHOLESALE, RETAIL TRADE	337.36	2249.00	15.00	14.61	14.49	1.01	172.00	169.34	-2.67	101.57
TRANSPORT, STOR., COMM.	176.25	1026.00	17.18	7.63	6.61	1.15	89.86	77.25	-12.61	110.32
FINANCE, ETC, BUS. SERV.	233.50	2015.00	11.59	10.11	12.98	0.78	119.05	151.72	32.67	78.47
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	106.35	921.00	11.55	4.61	5.93	0.78	54.22	69.35	15.12	78.19
OWNERSHIP OF DWELLINGS	305.96	2397.00	12.76	13.25	15.44	0.86	155.99	180.48	24.49	86.43
NOMINAL INDUSTRY	147.54	998.00	14.78	6.39	6.43	0.99	75.23	75.14	-0.08	100.11
TOTAL INDUSTRY	2309.18	15523.00	14.88	100.00	100.00	1.00	1177.35	1168.91	-8.55	100.73

GROSS DOMESTIC PRODUCT
 QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81
 YEAR :1972-73

INDUSTRY	GSPQ (\$M)	GDP (\$M)	QLD AS A % OF AUS (%)	QLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	QLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	QLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	666.34	3091.00	21.62	12.58	8.03	1.57	340.76	232.74	-108.02	146.41
MINING	291.08	1389.00	21.01	5.49	3.61	1.52	148.82	104.58	-44.23	142.29
MANUFACTURING	874.93	8994.00	9.73	16.47	23.37	0.70	446.09	677.20	231.11	65.87
ELECTRICITY, GAS, WATER	171.73	1316.00	13.05	3.23	3.42	0.95	87.56	99.09	11.53	88.36
CONSTRUCTION	494.65	3121.00	15.85	9.31	8.11	1.15	252.20	235.00	-17.21	107.32
WHOLESALE, RETAIL TRADE	871.67	5911.00	15.00	16.41	15.10	1.09	444.43	437.54	-6.89	101.57
TRANSPORT, STOR., COMM.	515.00	2990.00	17.18	9.69	7.79	1.24	262.56	225.73	-36.84	116.32
FINANCE, ETC, BUS. SERV.	449.26	3877.00	11.59	8.46	10.07	0.84	229.06	291.92	62.86	75.47
PUBLIC ADMIN. AND DEFENCE	262.24	1692.00	15.50	4.94	4.40	1.12	133.70	127.40	-6.30	104.95
COMMUNITY SERV., ENTERT.	554.04	4788.00	11.55	10.43	12.47	0.84	282.48	361.27	78.79	78.19
OWNERSHIP OF DWELLINGS	305.96	2397.00	12.76	5.76	6.23	0.92	155.99	160.48	24.49	66.43
NOMINAL INDUSTRY	147.54	938.00	14.78	2.78	2.59	1.07	75.23	75.14	-0.08	100.11
TOTAL INDUSTRY	5312.15	38486.00	13.80	100.00	100.00	1.00	2708.44	2697.61	189.37	93.47

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1973-74

INDUSTRY	WSSQ (\$M)	WSS (\$M)	GLD AS A % OF AUS (%)	GLD AS A % OF GLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	GLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	GLD/PC AS A % OF AUS/PC (%)
AGRICULTURE, ETC.	120.09	604.00	19.88	3.22	2.15	1.50	59.53	44.78	-14.75	132.95
MINING	130.96	601.00	21.79	3.51	2.14	1.64	64.92	44.56	-20.36	145.76
MANUFACTURING	671.75	7596.00	8.84	18.01	27.01	0.67	333.00	565.15	232.15	59.13
ELECTRICITY, GAS, WATER	85.62	687.00	12.46	2.30	2.44	0.94	42.44	50.93	8.49	83.33
CONSTRUCTION	457.13	2629.00	17.39	12.26	9.35	1.31	225.61	194.91	-31.70	115.26
WHOLESALE, RETAIL TRADE	678.33	4334.00	15.65	18.19	15.41	1.18	335.26	321.31	-14.95	104.85
TRANSPORT, STOR., COMP.	422.92	2471.00	17.12	11.34	8.79	1.29	209.65	183.19	-26.46	114.44
FINANCE, ETC, BUS. SRV.	286.05	2295.00	12.46	7.67	6.16	0.94	141.80	170.15	28.34	83.34
PUBLIC ADMIN. AND DEFENCE	314.10	2095.00	14.99	8.42	7.45	1.13	155.71	155.32	-0.39	100.25
COMMUNITY SERV., ENTERT.	563.01	4812.00	11.70	15.09	17.11	0.88	279.16	356.75	77.65	78.23
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	3730.00	28124.00	13.26	100.00	100.00	1.00	1849.05	2485.05	236.00	88.08

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE: 4-APR-81

YEAR: 1973-74

INDUSTRY	GOSQ (\$M)	GOS (\$M)	QLD AS A % OF AUS (%)	QLD AS A % OF AUS (%)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	632.41	3563.00	17.75	23.60	19.97	1.19	313.50	264.15	-49.35	118.68
MINING	250.94	1070.00	23.45	9.44	6.00	1.57	124.40	79.33	-45.07	156.81
MANUFACTURING	321.69	2895.00	11.11	12.10	16.22	0.75	159.47	214.63	55.16	74.38
ELECTRICITY, GAS, WATER	108.09	796.00	13.58	4.07	4.46	0.91	53.58	59.01	5.43	90.79
CONSTRUCTION	175.79	1011.00	17.39	6.61	5.67	1.17	97.14	74.95	-12.19	116.20
WHOLESALE, RETAIL TRADE	414.29	2647.00	15.65	15.59	14.83	1.05	205.37	196.24	-9.13	104.65
TRANSPORT, STOR., COMM.	176.97	1034.00	17.12	6.66	5.79	1.15	87.73	76.66	-11.07	114.44
FINANCE, ETC. BUS. SERV.	278.83	2237.00	12.46	10.49	12.54	0.84	138.22	165.85	27.63	83.34
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	124.61	1065.00	11.70	4.69	5.97	0.79	61.77	78.96	17.19	78.23
OWNERSHIP OF DWELLINGS	366.27	2809.00	13.04	13.78	15.74	0.88	191.57	208.25	26.68	87.19
NOMINAL INDUSTRY	192.26	1284.00	14.97	7.23	7.20	1.01	95.31	95.19	-0.11	100.12
TOTAL INDUSTRY	2657.63	17843.00	14.89	100.00	100.00	1.00	1317.45	1322.84	5.39	99.59

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-Apr-81

YEAR :1973-74

INDUSTRY	GSPQ (\$M)	GDP (\$M)	QLD AS A % OF AUS %	QLD AS A % OF QLD %	AUS AS A % OF AUS %	LOC- ATION QUOT- IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QLD PC AS A % OF AUS PC %
AGRICULTURE, ETC.	752.50	4167.00	16.06	11.78	9.07	1.30	373.03	308.93	-64.10	120.75
MINING	381.90	1671.00	22.85	5.98	3.64	1.64	189.32	123.88	-65.43	152.52
MANUFACTURING	993.44	10491.00	9.47	15.55	22.82	0.68	492.47	777.78	285.31	63.32
ELECTRICITY, GAS, WATER	193.70	1483.00	13.06	3.03	3.23	0.94	96.02	109.95	13.92	87.34
CONSTRUCTION	632.92	3640.00	17.39	9.91	7.92	1.25	313.75	269.86	-43.89	116.26
WHOLESALE, RETAIL TRADE	102.62	6921.00	15.65	17.11	15.19	1.13	541.64	517.56	-24.08	104.65
TRANSPORT, STOR., COMM.	599.90	3505.00	17.12	9.39	7.63	1.23	297.38	259.85	-37.53	114.44
FINANCE, ETC, BUS. SERV.	564.88	4532.00	12.46	8.84	9.86	0.90	280.02	335.99	55.97	83.34
PUBLIC ADHI. AND DEFENCE	314.10	2095.00	14.99	4.92	4.56	1.08	155.71	155.32	-0.39	100.25
COMMUNITY SRV., ENTERT.	687.61	5877.00	11.70	10.76	12.79	0.84	340.87	435.71	94.84	78.23
OWNEESHIP OF DWELLINGS	366.27	2809.00	13.04	5.73	6.11	0.94	181.57	208.25	26.68	87.19
NOMINAL INDUSTRY	192.26	1284.00	14.97	3.01	2.79	1.08	95.31	95.19	-0.11	100.12
TOTAL INDUSTRY	6387.60	45957.00	13.90	100.00	100.00	1.00	3160.49	3407.89	241.40	92.92

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE: 4-Apr-81

YEAR: 1974-75

INDUSTRY	WSSQ (\$M)	WSS (\$M)	QLD AS A % OF AUS (%)	QLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QLD PC AS A & OF AUS PC (%)
AGRICULTURE, ETC.	137.27	735.00	18.68	2.84	2.04	1.39	66.39	53.67	-12.73	123.71
MINING	181.61	807.00	22.50	3.75	2.23	1.68	87.84	58.92	-28.92	149.08
MANUFACTURING	836.02	9214.00	9.07	17.28	25.52	0.68	404.36	672.77	268.41	60.10
ELECTRICITY, GAS, WATER	116.81	880.00	13.27	2.41	2.44	0.99	56.50	64.25	7.75	87.93
CONSTRUCTION	513.17	3392.00	15.13	10.61	9.39	1.13	248.21	247.67	-0.54	100.22
WHOLESALE, RETAIL TRADE	926.93	5466.00	16.96	19.16	15.14	1.27	448.33	399.10	-49.23	112.33
TRANSPORT, STOR., COMM.	531.23	3218.00	16.51	10.98	8.91	1.23	256.94	234.96	-21.98	109.35
FINANCE, ETC, BUS. SERV.	414.41	2919.00	14.20	8.57	8.08	1.06	200.14	213.13	12.99	94.04
PUBLIC ADMIN. AND DEFENCE	423.63	2779.00	15.24	8.76	7.70	1.14	204.90	202.91	-1.99	100.98
COMMUNITY SERV., ENTERT.	756.92	6700.00	11.30	15.55	16.55	0.84	356.10	489.21	123.10	74.84
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	4838.00	36110.00	13.40	100.00	100.00	1.00	2340.62	2636.60	296.58	86.75

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE: 4-APR-81

YEAR: 1974-75

INDUSTRY	GOSQ (SM)	GOS (SM)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	737.84	2901.00	25.41	23.22	15.29	1.52	356.49	211.82	-144.67	168.52
MINING	346.80	1411.00	24.58	10.93	7.43	1.47	167.74	103.03	-64.71	162.81
MANUFACTURING	402.01	2935.00	13.70	12.67	15.47	0.82	194.44	214.30	19.86	98.73
ELECTRICITY, GAS, WATER	119.16	822.00	14.50	3.75	4.33	0.87	57.84	60.02	2.38	96.03
CONSTRUCTION	190.02	1256.00	15.13	5.99	6.62	0.90	91.91	91.71	-0.20	100.22
WHOLESALE, RETAIL TRADE	467.54	2875.00	16.96	15.36	15.15	1.01	235.81	209.92	-25.89	112.33
TRANSPORT, STOR., COMM.	171.68	1040.00	16.51	5.41	5.48	0.99	83.04	75.94	-7.10	109.35
FINANCE, ETC, PUS. SERV.	357.34	2517.00	14.20	11.26	13.26	0.85	172.84	183.78	10.94	94.04
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTEPT.	146.07	1293.00	11.30	4.60	6.81	0.68	70.65	94.41	23.76	74.84
OWNERSHIP OF DWELLINGS	445.90	3447.00	12.94	14.05	18.16	0.77	215.67	251.69	36.01	85.69
NOMINAL INDUSTRY	229.44	1519.00	15.10	7.23	8.00	0.90	110.97	110.91	-0.06	100.06
TOTAL INDUSTRY	3174.14	18978.00	16.73	100.00	100.00	1.00	1535.25	1385.69	-149.56	110.79

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1974-75

INDUSTRY	GSPQ (\$M)	GDP (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PLP CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	874.31	3636.00	24.05	10.91	6.60	1.65	422.88	265.49	-157.40	159.29
MINING	528.41	2218.00	23.82	6.60	4.03	1.64	255.58	161.95	-93.63	157.62
MANUFACTURING	1236.03	12149.00	10.19	15.45	22.05	0.70	598.80	887.07	288.26	67.50
ELECTRICITY, GAS, WATER	235.98	1702.00	13.86	2.95	3.09	0.95	114.14	124.27	10.14	91.84
CONSTRUCTION	703.18	4648.00	15.13	8.78	8.44	1.04	340.11	339.38	-0.74	104.22
WHOLESALE, RETAIL TRADE	1414.47	8341.00	16.96	17.65	15.14	1.17	684.14	609.02	-75.12	112.33
TRANSPORT, STOR., COMM.	702.91	4258.00	16.51	8.77	7.73	1.14	339.98	310.90	-29.08	109.35
FINANCE, ETC, BUS. SERV.	771.75	5436.00	14.20	9.63	9.87	0.98	373.28	396.91	23.64	94.04
PUBLIC ADMIN. AND DEFENCE	423.63	2779.00	15.24	5.29	5.04	1.05	204.90	202.91	-1.99	100.98
COMMUNITY SERV., ENTERT.	903.00	7993.00	11.30	11.27	14.51	0.78	436.76	583.62	146.86	74.84
OWNERSHIP OF DWELLINGS	445.90	3447.00	12.94	5.57	6.25	0.89	215.67	251.69	36.01	85.09
NOMINAL INDUSTRY	229.44	1519.00	15.10	2.86	2.76	1.04	110.97	110.91	-0.06	100.06
TOTAL INDUSTRY	8012.14	55066.00	14.54	100.00	100.00	1.00	3875.28	4022.29	147.02	96.34

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1975-76

INDUSTRY	WSSQ (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LCC- ATION QUOT- IENT	OLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	154.13	801.00	19.24	2.73	1.93	1.42	73.44	57.85	-15.59	126.95
MINING	215.71	908.00	23.76	3.87	2.19	1.75	102.78	65.58	-37.20	156.73
MANUFACTURING	989.11	10278.00	9.62	17.51	24.74	0.71	471.30	742.30	271.00	63.49
ELECTRICITY, GAS, WATER	132.22	993.00	13.32	2.34	2.39	0.98	63.00	71.72	8.71	87.65
CONSTRUCTION	552.30	3842.00	14.38	9.78	9.25	1.06	263.16	277.48	14.31	94.84
WHOLESALE, RETAIL TRADE	1101.55	6326.00	17.41	19.50	15.23	1.26	524.98	456.80	-68.00	114.56
TRANSPORT, STOR., COMM.	625.67	3663.00	17.08	11.08	8.82	1.26	298.13	264.55	-33.57	112.09
FINANCE, ETC, BUS. SERV.	486.19	3476.00	14.19	6.61	8.25	1.04	231.67	247.43	15.77	93.63
PUBLIC ADMIN. AND DEFENCE	503.36	3227.00	15.60	8.91	7.77	1.15	239.65	233.06	-6.78	102.91
COMMUNITY SERV., ENTERT.	887.77	8075.00	10.99	15.72	19.44	0.81	423.02	583.20	160.18	72.53
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	5649.00	41539.00	13.60	100.00	100.00	1.00	2691.23	3000.05	308.82	89.71

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE: 4-APR-81
YEAR: 1975-76

INDUSTRY	GOSQ (\$M)	GOS (\$M)	QD AS A % OF AUS (%)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	QD PER CAPITA (\$)	AUS PER CAPITA (\$)	FER CAPITA DIFFER (\$)	QD FC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	698.14	2861.00	19.23	12.67	1.52	332.66	206.63	-126.03	162.99
MINING	389.47	1620.00	10.73	7.17	1.50	185.58	117.00	-68.58	158.62
MANUFACTURING	430.86	3323.00	11.87	14.71	0.81	205.30	240.00	34.69	85.54
ELECTRICITY, GAS, WATER	140.15	1025.00	3.86	4.54	0.85	60.78	74.03	7.25	90.21
CONSTRUCTION	225.83	1571.00	6.22	6.96	0.89	107.61	113.46	5.85	94.84
WHOLESALE, RETAIL TRADE	565.40	3247.00	15.58	14.37	1.08	269.41	234.51	-34.90	114.86
TRANSPORT, STOR., COMM.	242.89	1422.00	6.69	6.30	1.06	115.73	102.70	-13.03	112.09
FINANCE, ETC, BUS. SERV.	480.52	3386.00	13.24	14.99	0.88	228.96	244.55	15.58	93.03
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	175.57	1597.00	4.84	7.07	0.68	83.66	115.34	31.68	72.53
OWNERSHIP OF DWELLINGS	542.56	4263.00	14.95	18.87	0.79	258.53	307.88	49.36	83.97
NOMINAL INDUSTRY	261.81	1727.00	7.21	7.65	0.94	124.75	124.73	-0.02	100.02
TOTAL INDUSTRY	3629.59	22588.00	16.07	100.00	1.00	1729.48	1631.36	-98.11	100.01

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1975-76

INDUSTRY	GSPQ (\$M)	GDP (\$M)	QD AS A % OF AUS (%)	QD AS A % OF QD (%)	AUS AS A % OF AUS (%)	LOC- ATION QD- IENT	QD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	552.27	3662.00	23.27	9.19	5.71	1.61	406.10	264.48	-141.62	153.55
MINING	605.18	2528.00	23.94	6.52	3.94	1.65	288.36	182.58	-105.79	157.94
MANUFACTURING	1419.97	13601.00	10.44	15.31	21.21	0.72	676.60	982.30	305.69	68.88
ELECTRICITY, GAS, WATER	272.37	2018.00	13.50	2.94	3.15	0.93	129.78	145.75	15.96	89.05
CONSTRUCTION	778.13	5413.00	14.36	8.39	8.44	0.99	370.77	390.94	20.17	94.84
WHOLESALE, RETAIL TRADE	1666.95	9573.00	17.41	17.97	14.93	1.20	794.29	691.39	-102.91	114.88
TRANSPORT, STOR., COMM.	868.56	5085.00	17.08	9.36	7.93	1.18	413.86	367.25	-46.61	112.69
FINANCE, ETC, BUS. SERV.	966.71	6812.00	14.19	10.42	10.62	0.98	460.63	491.98	31.35	93.03
PUBLIC ADMIN. AND DEFENCE	503.36	3227.00	15.60	5.43	5.03	1.08	239.85	233.06	-6.78	102.91
COMMUNITY SERV., ENTERT.	1063.34	9672.00	10.99	11.46	15.08	0.76	506.68	698.54	191.86	72.53
OWNERSHIP OF DWELLINGS	542.56	4263.00	12.73	5.85	6.65	0.88	258.53	307.08	49.36	83.97
NOMINAL INDUSTRY	261.81	1727.00	15.16	2.82	2.69	1.05	124.75	124.73	-0.02	100.02
TOTAL INDUSTRY	9277.59	64127.00	14.47	100.00	100.00	1.00	4420.71	4631.42	210.71	95.45

QUEENSLAND VERSUS AUSTRALIA COMPARISON
 WAGES SALARIES AND SUPPLEMENTS

RUN DATE : 4-APR-81

YEAR : 1976-77

INDUSTRY	WSSQ (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD AS A % OF AUS (%)
AGRICULTURE, ETC.	175.15	808.00	21.68	2.71	1.72	1.57	82.50	57.75	-24.75	142.86
MINING	238.20	1055.00	22.58	3.69	2.25	1.64	112.19	75.40	-36.79	148.80
MANUFACTURING	1123.66	11419.00	9.84	17.39	24.33	0.71	529.26	816.11	286.85	64.85
ELECTRICITY, GAS, WATER	153.78	1154.00	13.33	2.38	2.46	0.97	72.43	82.48	10.05	87.82
CONSTRUCTION	628.85	4183.00	15.03	9.73	8.91	1.09	296.10	298.96	2.85	99.05
WHOLESALE, RETAIL TRADE	1258.33	7133.00	17.64	19.47	15.20	1.28	592.69	559.79	-32.90	116.26
TRANSPORT, STOR., COMM.	684.53	4075.00	16.80	10.59	8.68	1.22	322.42	291.24	-31.18	110.71
FINANCE, ETC. BUS. SERV.	555.90	3968.00	14.01	8.60	8.45	1.02	291.84	283.59	-8.25	92.33
PUBLIC ADMIN. AND DEFENCE	582.36	3660.00	15.91	9.01	7.80	1.16	274.30	261.56	-12.72	104.86
COMMUNITY SERV., ENTERT.	1061.44	9479.00	11.20	16.43	20.20	0.81	499.95	677.46	177.51	73.82
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	6462.00	46934.00	13.77	100.00	100.00	1.00	3043.69	3354.35	310.66	92.74

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR :1976-77

INDUSTRY	GOSQ (\$M)	GOS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	777.53	3311.00	23.27	18.22	12.53	1.45	362.93	236.64	-126.30	153.37
MINING	497.91	2012.00	24.75	11.77	7.62	1.55	234.52	143.80	-90.73	163.09
MANUFACTURING	500.44	3885.00	12.88	11.83	14.71	0.80	235.71	277.66	41.95	84.89
ELECTRICITY, GAS, WATER	150.95	1169.00	12.91	3.57	4.43	0.81	71.10	83.55	12.45	85.10
CONSTRUCTION	270.22	1700.00	15.03	6.39	6.81	0.94	127.28	128.52	1.23	99.05
WHOLESALE, RETAIL TRADE	652.54	3699.00	17.64	15.43	14.00	1.10	307.36	264.37	-42.99	116.26
TRANSPORT, STOR., COMM.	264.57	1575.00	16.80	6.26	5.96	1.05	124.62	112.56	-12.05	110.71
FINANCE, ETC. BUS. SERV.	546.66	3902.00	14.01	12.93	14.77	2.88	257.48	278.87	21.39	92.33
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	200.22	1788.00	11.20	4.73	6.77	0.70	94.30	127.79	33.48	73.80
OWNERSHIP OF DWELLINGS	674.76	5249.00	12.86	15.95	19.87	0.80	317.82	375.14	57.32	84.72
NOMINAL INDUSTRY	299.59	1972.00	15.19	7.08	7.47	0.95	141.11	140.94	-0.17	100.12
TOTAL INDUSTRY	4229.21	26416.00	16.01	100.00	100.00	1.00	1992.01	1887.94	-104.08	105.51

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81
YEAR :1976-77

INDUSTRY	GSPQ (SM)	GSP (SM)	QLD AS A % OF AUS (\$)	QLD AS A % OF AUS (\$)	AUS AS A % OF AUS (\$)	LOC- ATION QUOT- IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QLD PC AS A % OF AUS PC (\$)
AGRICULTURE, ETC.	945.68	4119.00	22.96	8.85	5.62	1.58	445.43	294.36	-151.05	151.31
MINING	736.11	3067.00	24.00	6.89	4.18	1.65	346.72	219.20	-127.52	158.18
MANUFACTURING	1624.10	15304.00	10.61	15.19	20.86	0.73	764.97	1093.77	328.80	69.94
ELECTRICITY, GAS, WATER	304.73	2323.00	13.12	2.85	3.17	0.90	143.53	166.02	22.49	86.45
CONSTRUCTION	898.07	5981.00	15.03	8.41	8.15	1.63	423.38	427.46	4.08	99.05
WHOLESALE, RETAIL TRADE	1910.87	10832.00	17.64	17.87	14.77	1.21	900.05	774.16	-125.89	116.26
TRANSPORT, STOR., COMM.	949.10	5650.00	16.80	8.88	7.70	1.15	447.04	403.80	-43.24	110.71
FINANCF, ETC, BUS, SERV.	1182.56	7870.00	14.01	10.31	10.73	0.96	519.32	562.46	43.14	92.33
PUBLIC ADMIN. AND DEFENCE	582.36	3660.00	15.91	5.45	4.99	1.09	274.30	261.58	-12.72	104.86
COMMUNITY SERV., EMPERT.	1261.66	11267.00	11.20	11.80	15.36	0.77	594.26	805.25	210.99	73.80
OWNERSHIP OF DWELLINGS	674.76	5249.00	12.66	6.31	7.16	0.88	317.82	375.14	57.32	84.72
NOMINAL INDUSTRY	299.59	1972.00	15.19	2.80	2.69	1.04	141.11	140.94	-0.17	100.12
TOTAL INDUSTRY	10691.21	73350.00	14.58	100.00	100.00	1.00	5035.70	5242.28	206.58	96.06

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR :1977-78

INDUSTRY	WSSO (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (\$)
AGRICULTURE, ETC.	188.28	894.00	21.06	1.73	1.52	87.44	63.13	-24.32	138.52
MINING	259.55	1181.00	21.98	2.29	1.58	129.54	83.39	-37.15	144.54
MANUFACTURING	1213.00	12307.00	9.86	23.88	0.71	563.35	869.04	305.69	64.82
ELECTRICITY, GAS, WATER	187.04	1294.00	14.45	2.51	1.04	86.87	91.37	4.51	95.07
CONSTRUCTION	750.51	4472.00	16.78	9.68	1.21	348.56	315.78	-32.78	110.38
WHOLESALE, RETAIL TRADE	1356.50	7792.00	17.41	15.12	1.26	630.00	550.22	-79.78	114.50
TRANSPORT, STOR., COMM.	773.38	4475.00	17.28	8.68	1.25	359.18	316.00	-43.19	113.67
FINANCE, ETC, BUS. SERV.	603.55	4356.00	13.86	8.45	1.00	280.31	307.59	27.29	91.13
PUBLIC ADMIN. AND DEFENCE	651.88	4140.00	15.75	8.03	1.14	302.75	292.34	-10.41	103.56
COMMUNITY SERV., ENTERT.	1164.31	10623.00	10.96	20.61	0.79	540.74	750.13	209.38	72.09
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	7148.00	51534.00	13.87	100.00	1.00	3319.76	3639.00	319.24	91.23

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1977-78

INDUSTRY	GOSQ (\$M)	GOS (\$M)	QLD AS A % OF AUS (%)	QLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	QLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	QLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	748.87	3131.00	23.92	16.22	10.94	1.48	347.80	221.09	-126.71	157.51
MINING	579.17	2239.00	25.75	12.54	7.86	1.60	268.99	158.81	-110.18	169.38
MANUFACTURING	559.80	4308.00	12.99	12.12	15.05	0.81	259.99	384.20	44.21	85.47
ELECTRICITY, GAS, WATER	175.78	1326.00	13.26	3.81	4.63	0.82	81.64	93.03	11.99	87.19
CONSTRUCTION	314.84	1876.00	16.78	6.82	6.56	1.04	146.22	132.47	-13.75	110.38
WHOLESALE, RETAIL TRADE	687.30	3948.00	17.41	14.88	13.60	1.08	319.21	278.78	-40.42	114.50
TRANSPORT, STOR., COMM.	291.03	1684.00	17.28	6.30	5.08	1.07	135.17	118.91	-16.25	113.07
FINANCE, ETC, BUS. SERV.	553.80	3997.00	13.86	11.99	13.97	0.86	257.20	282.24	25.04	91.13
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	214.71	1959.00	10.96	4.55	6.85	0.68	99.72	138.33	38.61	72.09
OWNERSHIP OF DWELLINGS	817.64	6292.00	12.99	17.71	21.99	0.81	379.74	444.30	64.56	85.47
NOMINAL INDUSTRY	325.06	2154.00	15.09	7.04	7.53	0.94	150.97	152.10	1.14	99.25
TOTAL INDUSTRY	4617.91	28616.00	16.14	100.00	100.00	1.00	2144.71	2820.66	-124.33	106.14

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1977-78

INDUSTRY	GSPQ (\$M)	GDP (\$M)	QLD AS A % OF AUS (%)	QLD AS A % OF QLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (S)	AUS PER CAPITA (S)	PER CAPITA DIFFER (S)	QLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	937.15	4025.00	23.28	7.36	5.02	1.59	435.24	284.22	-151.03	153.14
MINING	838.72	3430.00	24.45	7.13	4.28	1.67	389.53	242.20	-147.32	160.83
MANUFACTURING	1772.80	16615.00	10.67	15.87	20.73	0.73	823.35	1173.24	349.90	70.18
ELECTRICITY, GAS, WATER	362.82	2620.00	13.85	3.08	3.27	0.94	160.51	185.01	16.50	91.03
CONSTRUCTION	1065.35	6348.00	16.78	9.05	7.92	1.14	494.78	448.25	-46.53	111.38
WHOLESALE, RETAIL TRADE	2043.80	11740.00	17.41	17.37	14.65	1.19	949.21	829.00	-120.20	114.50
TRANSPORT, STOR., COMM.	1064.42	6159.00	17.28	9.05	7.68	1.18	494.35	434.91	-59.44	113.07
FINANCE, ETC, BUS. SERV.	1157.35	8353.00	13.86	9.84	10.42	0.94	537.51	589.84	52.32	91.13
PUBLIC ADMIN. AND DEFENCE	651.88	4140.00	15.75	5.54	5.17	1.07	302.75	292.34	-10.41	103.56
COMMUNITY SERV., ENTERT.	1379.03	12582.00	10.96	11.72	15.70	0.75	640.46	868.46	248.00	77.09
OWNERSHIP OF DWELLINGS	817.64	6292.00	12.99	6.95	7.65	0.89	379.74	444.30	64.56	85.47
NOMINAL INDUSTRY	325.06	2154.00	15.09	2.76	2.69	1.03	150.97	152.10	1.14	99.25
TOTAL INDUSTRY	11765.91	80150.00	14.68	100.00	100.00	1.00	5464.47	5059.68	195.21	96.55

WAGES SALARIES AND SUPPLEMENTS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR :1978-79

INDUSTRY	WSSQ (\$M)	WSS (\$M)	OLD AS A % OF AUS (%)	GLD AS A % OF OLD (%)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	GLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER- (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	197.38	987.00	20.00	2.56	1.78	1.44	90.50	68.86	-21.64	131.42
MINING	293.08	1271.00	23.06	3.80	2.29	1.66	134.37	88.67	-45.70	151.54
MANUFACTURING	1295.74	13249.00	9.78	16.80	23.87	0.70	594.08	924.33	330.25	64.27
ELECTRICITY, GAS, WATER	212.24	1393.00	15.24	2.75	2.51	1.10	97.31	97.18	-0.12	100.13
CONSTRUCTION	818.53	4614.00	17.00	12.61	8.67	1.22	375.28	335.85	-39.43	111.74
WHOLESALE, RETAIL TRADE	1439.13	8389.00	17.15	18.66	15.11	1.23	659.82	585.27	-74.55	112.74
TRANSPORT, STOR., CONY.	838.22	4818.00	17.40	10.87	8.68	1.25	364.31	336.13	-48.18	114.33
FINANCE, ETC, BUS. SERV.	650.64	4690.00	13.87	8.44	8.45	1.60	298.31	327.20	28.89	91.17
PUBLIC ADMIN. AND DEFENCE	695.98	4457.00	15.62	9.02	8.03	1.12	319.10	310.95	-8.15	102.62
COMMUNITY SERV., ENTERT.	1276.93	11436.00	11.11	16.48	20.60	0.80	582.71	797.85	215.14	73.03
OWNERSHIP OF DWELLINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
NOMINAL INDUSTRY	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL INDUSTRY	7712.00	55505.00	13.89	100.00	100.00	1.00	3535.86	3872.37	336.52	91.31

GROSS OPERATING SURPLUS
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81

YEAR : 1978-79

INDUSTRY	GOSQ (\$M)	GOS (\$M)	OLD AS A % OF AUS (%)	OLD AS A % OF GLD (%)	AUS AS A % OF AUS (%)	LOC- ATION QUOT- IENT	OLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	OLD PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	1425.90	5764.00	24.74	25.38	17.17	1.48	653.76	482.13	-251.63	162.57
MINING	626.08	2439.00	25.67	11.14	7.27	1.53	267.05	170.16	-116.89	168.09
MANUFACTURING	578.23	4722.00	12.25	10.29	14.07	0.73	265.11	329.44	64.32	80.47
ELECTRICITY, GAS, WATER	201.36	1441.00	13.97	3.58	4.29	0.83	92.32	100.53	8.21	91.83
CONSTRUCTION	348.90	2052.00	17.00	6.21	6.11	1.02	159.97	143.16	-16.81	111.74
WHOLESALE, RETAIL TRADE	739.20	4309.00	17.15	13.16	12.84	1.02	338.92	300.62	-38.29	112.74
TRANSPORT, STOR., COMM.	320.61	1844.00	17.40	5.71	5.49	1.04	147.09	128.65	-18.44	114.33
FINANCE, ETC, BUS. SERV.	602.76	4345.00	13.87	10.73	12.95	0.83	276.37	303.13	26.77	91.17
PUBLIC ADMIN. AND DEFENCE	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
COMMUNITY SERV., ENTERT.	241.50	2173.00	11.11	4.30	6.47	0.66	110.72	151.60	40.88	73.03
OWNERSHIP OF DWELLINGS	899.27	6006.00	13.21	16.01	20.28	0.79	412.31	474.83	62.52	86.83
NOMINAL INDUSTRY	366.09	2330.00	15.71	6.52	6.94	0.94	167.85	162.56	-5.29	103.26
TOTAL INDUSTRY	5617.95	33563.00	16.74	100.00	100.00	1.00	2575.76	2341.56	-234.20	110.00

GROSS DOMESTIC PRODUCT
QUEENSLAND VERSUS AUSTRALIA COMPARISON

RUN DATE : 4-APR-81
YEAR : 1978-79

INDUSTRY	GSPQ (\$M)	GDP (\$M)	QLD AS A % OF QLD AUS (\$)	AUS AS A % OF AUS (%)	LOC-ATION QUOT-IENT	QLD PER CAPITA (\$)	AUS PER CAPITA (\$)	PER CAPITA DIFFER (\$)	QID PC AS A % OF AUS PC (%)
AGRICULTURE, ETC.	1823.29	6751.00	24.05	12.18	1.61	744.26	470.99	-273.26	158.02
MINING	919.16	3710.00	24.78	6.90	1.66	421.42	258.83	-162.59	162.82
MANUFACTURING	1873.97	17971.00	10.43	14.06	0.70	859.19	1253.77	394.58	66.53
ELECTRICITY, GAS, WATER	413.60	2834.00	14.59	3.10	0.98	189.63	197.72	8.09	95.91
CONSTRUCTION	1167.43	6866.00	17.00	8.76	1.14	535.25	479.01	-56.24	111.74
WHOLESALE, RETAIL TRADE	2178.33	12698.00	17.15	16.34	1.15	998.74	885.89	-112.85	112.74
TRANSPORT, STOP., COMM.	1159.03	6662.00	17.40	8.70	1.16	531.40	464.78	-66.62	114.33
FINANCE, ETC, BUS. SERV.	1253.42	9035.00	13.87	9.40	0.93	574.68	630.34	55.66	91.17
PUBLIC ADMIN. AND DEFENCE	695.98	4457.00	15.62	5.22	1.04	319.10	310.95	-8.15	102.02
COMMUNITY SERV., ENTERT.	1512.43	13609.00	11.11	11.35	0.74	693.43	949.45	256.02	73.03
OWNERSHIP OF DWELLINGS	699.27	6806.00	13.21	6.75	0.88	412.31	474.83	62.52	86.83
NOMINAL INDUSTRY	366.09	2330.00	15.71	2.75	1.05	167.85	162.56	-5.29	103.26
TOTAL INDUSTRY	13329.91	89068.00	14.97	100.00	1.00	6111.56	6213.94	102.38	96.35

APPENDIX C

QUARTERLY DATA CONSTRUCTION

In Chapter Four above, a method of distributing or interpolating annual data into quarters, based on the work of Chow and Lin (1971), was detailed.

This appendix lists the variables of the Queensland model which were only available annually, and which were then estimated on a quarterly basis. In all cases the autoregressive correction, outlined in 4.2.2 above, was applied.

Private final consumption expenditure for twelve commodity item groups is published in NIE (5204.0, 1978-79, t. 76, p. 57) only on an annual basis. Four groups were used in the model: food, dwelling rent, household durables and all other. These annual group expenditures were distributed into quarters using similar data available for Australia on a quarterly basis, published in the *Quarterly Estimates of National Income and Expenditure* (see, e.g., 5206.0, June 1980, t. 15, p. 19, or the Time Series Data File), and commodity retail sales data available for Queensland on a quarterly basis (see, e.g., 1304.3, January 1977, p. 22).

The state and local government variables (e.g., final consumption expenditure, expenditure on new fixed assets, taxation, commonwealth grants etc.) were only available on an annual basis (*State and Local Government Finance*, 5504.0, 1978-79, tt. 40-42, pp. 64-67). Fifteen endogenous variables were involved: final consumption expenditure for the purposes of law, order and public safety, education, health, economic services and all other; expenditure on new fixed assets for the purposes of water supply (including sewerage and drainage, sanitation etc., and soil and water resources management), rail transport, road systems and regulation, electricity and gas, housing and all other; and taxation revenue from local government rates, motor taxes, payroll taxes and all other taxes (see *Taxation Revenue*, 5506.0, 1978-79, t. 8, pp. 11-20). Suitable similar national variables, on a quarterly basis, can be found in the *Quarterly Estimates*

of *National Income and Expenditure* (5206.0, June 1980 tt. 26, 27, 29, 30, 31, pp. 26-29). The exogenous variables, grants for current and capital purposes and resources income, were treated in the same way. Additions to debt was calculated as a residual item. This was appropriate since its nature is that of a residual or balancing item, and the nature of the distribution technique will also ensure that annual aggregates of this quarterly residual will be identical to the known annual data.

The annual estimates of the household income account for Queensland in NIE (5204.0, 1978-79, t. 64, p. 48) were estimated on a quarterly basis by using national quarterly variables available in the *Quarterly Estimates of National Income and Expenditure* (5206.0, June 1980, tt. 19-20, 27, pp. 21, 27) except for wages, salaries and supplements, which was estimated on a quarterly basis in Chapter Three above. Additional related series were incorporated into the distribution process where it seemed to be indicated, e.g., gross operating surplus in farm for income of farm unincorporated enterprises.

Indirect taxes less subsidies for Queensland were estimated by applying national annual industry allocators to annual Queensland GSP by industry, aggregating by industry, and then using the quarterly distribution technique, and national payroll and motor tax and national indirect taxes less subsidies, which were available on a quarterly basis (5206.0, June 1980, tt. 5, 27, pp. 11, 27) as related series.

All other variables were published, or were estimated, on a quarterly (or monthly) basis.

A databank index and print containing the values of all variables used in the model (including the estimated quarterly variables mentioned in this Appendix) is available on request from the author.

THESIS BIBLIOGRAPHY

1. A.B.S. 1972 MANUFACTURING CENSUSES. INFORMATION BULLETIN NO 17 : QUEENSLAND OFFICE : 30 AUGUST 1972
2. A.C.I.R. 1978 FEDERAL STABILIZATION POLICY: THE ROLE OF STATE AND LOCAL GOVERNMENT. ADVISORY COMMISSION ON INTERGOVERNMENTAL RELATIONS, WASHINGTON
3. ADAMS, F.G.; BROOKING, C.G.; GLICKMAN, N.J. 1975 ON THE SPECIFICATION AND SIMULATION OF A REGIONAL ECONOMETRIC MODEL: A MODEL OF MISSISSIPPI. REVIEW OF ECONOMICS AND STATISTICS NOV 1975 VOL 57 NO 4 PP 286-298
4. ANDERSON, J.R. 1970 A NOTE ON ECONOMIC BASE STUDIES AND REGIONAL ECONOMETRIC FORECASTING MODELS. JOURNAL OF REGIONAL SCIENCE VOL 10 NO 3 1970
5. ARMSTRONG, H.; TAYLOR, J. 1978 REGIONAL ECONOMIC POLICY AND ITS ANALYSIS. PHILIP ALLAN
6. ARMSTRONG, J.S. 1978 LONG-RANGE FORECASTING: FROM CRYSTAL BALL TO COMPUTER. WILEY-INTERSCIENCE
7. ARNDT, H.W. 1949 A PIONEER OF NATIONAL INCOME ESTIMATES ECONOMIC JOURNAL NOV 1949 PP. 616-625
8. ARNDT, H.W.; BUTLIN, N.G. 1950 NATIONAL OUTPUT, INCOME AND EXPENDITURE OF N.S.W., 1891. ECONOMIC RECORD JUN 1950 PP. 30-49
9. AUSTRALIAN TREASURY 1978 BUDGET PAPER NO 7 OF THE COMMONWEALTH OF AUSTRALIA, 1978-79. A.G.P.S.
10. BALL, R.J. 1973 THE INTERNATIONAL LINKAGE OF NATIONAL ECONOMIC MODELS. NORTH HOLLAND
11. BALL, R.J. 1974 THE LONDON BUSINESS SCHOOL QUARTERLY ECONOMETRIC MODEL OF THE UK ECONOMY. IN RENTON (1974) MODELLING THE ECONOMY. HEINEMANN
12. BALLARD, K.; GLICKMAN, N.J. 1977 A MULTIREGIONAL ECONOMETRIC FORECASTING SYSTEM: A MODEL FOR THE DELAWARE VALLEY. JOURNAL OF REGIONAL SCIENCE VOL 17 NO 2 1977 PP 161-177
13. BARKER, T.S. 1976 ECONOMIC STRUCTURE AND POLICY: WITH APPLICATIONS TO THE BRITISH ECONOMY. CHAPMAN AND HALL
14. BEARE, J.B. 1976 A MONETARIST MODEL OF REGIONAL BUSINESS CYCLES. JOURNAL OF REGIONAL SCIENCE VOL 16 NO 1 1976 PP 57-63

THESIS BIBLIOGRAPHY

15. BELL, F.W. 1967 AN ECONOMETRIC FORECASTING MODEL FOR A REGION. JOURNAL OF REGIONAL SCIENCE VOL 7 NO 2 1967 PP 109-127
16. BERNEY, R.E.; FRERICHS, B.H. 1973 INCOME ELASTICITIES FOR STATE TAX REVENUES: TECHNIQUES OF ESTIMATION AND THEIR USEFULNESS FOR FORECASTING. PUBLIC FINANCE QUARTERLY VOL 1 NO 4 OCT 1973 PP. 409-425
17. BOOT, J.C.G.; FEIBES, W.; LISMAN, J.H.C. 1967 FURTHER METHODS OF DERIVATION OF QUARTERLY FIGURES FROM ANNUAL DATA. APPLIED STATISTICS VOL 16 1967 PP. 65-75
18. BOWERS, J.K. 1979 INFLATION, DEVELOPMENT AND INTEGRATION - ESSAYS IN HONOUR OF A.J. BROWN. LEEDS UNIVERSITY PRESS
19. BRACY, D.B.; CARRON, A.; HAHN, E.; MIDDLEBROOKS, J. 1973 PROGRAMMING LANGUAGE FOR THE ANALYSIS OF ECONOMIC TIME SERIES (PLANETS) USER'S MANUAL. SOCIAL SCIENCE COMPUTATION CENTER, THE BROOKINGS INSTITUTION
20. BRAIN, P. 1977 THE INSTITUTE MULTI-PURPOSE MODEL: AN OUTLINE. THE AUSTRALIAN ECONOMIC REVIEW 3RD QUARTER 1977 PP 47-64
21. BRETON, A.; SCOTT, A. 1978 THE ECONOMIC CONSTITUTION OF FEDERAL STATES. AUSTRALIAN NATIONAL UNIVERSITY PRESS
22. BRETZFELDER, R.B. 1973 SENSITIVITY OF STATE AND REGIONAL INCOME TO NATIONAL BUSINESS CYCLES. SURVEY OF CURRENT BUSINESS VOL 53 NO 4 APRIL 1973 PP 22-27
23. BROOKBANKS, E.; COURSEY, R.W.; TELFORD, K.; YULE, A. 1973 A DYNAMIC SIMULATION MODEL FOR REGIONAL PLANNING: A CASE STUDY OF THE NORTHERN REGION. UK SCIENTIFIC CENTRE IBM UK LTD: UK SC 47
24. BROWN, A.J.; BURROWS, E.M. 1977 REGIONAL ECONOMIC PROBLEMS. GEORGE ALLEN & UNWIN
25. BROWN, M.; DI PALMA, M.; FERRARA, B. 1972 A REGIONAL-NATIONAL ECONOMETRIC MODEL OF ITALY. PAPERS OF THE REGIONAL SCIENCE ASSOCIATION VOL 29 1972 PP. 25-44
26. BURTON, R.P.; DYCKMAN, J.W. 1965 A QUARTERLY ECONOMIC FORECASTING MODEL FOR THE STATE OF CALIFORNIA. CENTER FOR PLANNING AND DEVELOPMENT, RESEARCH INSTITUTE OF URBAN AND REGIONAL DEVELOPMENT, UNIVERSITY OF CALIFORNIA, BERKELEY.

THESIS BIBLIOGRAPHY

27. C.E.P.G. 1980 URBAN AND REGIONAL POLICY WITH PROVISIONAL REGIONAL ACCOUNTS, 1966-78
CAMBRIDGE ECONOMIC POLICY REVIEW VOL 6 NO 2
JULY 1980
28. C.S.O. 1973 PRELIMINARY ESTIMATES OF REGIONAL GROSS DOMESTIC PRODUCT. ECONOMIC TRENDS NO 241 NOV 1973 PP LXXI-LXXIV
29. C.S.O. 1978 REGIONAL ACCOUNTS. STUDIES IN OFFICIAL STATISTICS NO. 31. H.M.S.O.
30. CALLAGHAN, B. 1977 INQUIRY INTO THE STRUCTURE OF INDUSTRY AND THE EMPLOYMENT SITUATION IN TASMANIA. A.G.P.S.
31. CAMPBELL, N.P. 1960 THE COMMUNITY INCOME OF WESTERN AUSTRALIA, 1953-54 TO 1957-58. INCOME RESEARCH REPORT NO. 7. FACULTY OF ECONOMICS, UNIVERSITY OF WESTERN AUSTRALIA.
32. CARTER, C.F. 1958 ESTIMATES OF THE GROSS DOMESTIC PRODUCT OF NORTHERN IRELAND, 1950-56. JOURNAL OF THE STATISTICAL AND SOCIAL INQUIRY SOCIETY OF IRELAND 1958/59 P. 149
33. CHALLEN, D.W.; HAGGAR, A.J. 1979 MODELLING THE AUSTRALIAN ECONOMY. LONGMAN CHESHIRE
34. CHANG, C.; LIU, T. 1951 MONTHLY ESTIMATES OF CERTAIN NATIONAL PRODUCT COMPONENTS, 1946-49. REVIEW OF ECONOMICS AND STATISTICS VOL XXXIII AUGUST 1951 PP. 219-227
35. CHANG, H.S. 1977 REGIONAL ECONOMETRIC MODEL OF TENNESSEE. ANNALS OF REGIONAL SCIENCE VOL 11 NO 2 1977 PP 11-24
36. CHANG, H.S. 1979 FUNCTIONAL FORMS AND THE ESTIMATION OF A STATE'S SALES TAX REVENUE: TENNESSEE AS A CASE STUDY. THE ANNALS OF REGIONAL SCIENCE VOL XIII NO 2 JUL 1979 PP. 8-18
37. CHANG, S. 1979 AN ECONOMETRIC FORECASTING MODEL BASED ON REGIONAL ECONOMIC INFORMATION SYSTEM DATA BASE : THE CASE OF MOBILE, ALABAMA. JOURNAL OF REGIONAL SCIENCE VOL 19 NO 4 NOVEMBER 1979 PP. 437-448
38. CHARI, M.V.; FRANK, R.H. 1970 THE DEVELOPMENT OF ONTARIO ECONOMIC ACCOUNTS. ONTARIO ECONOMIC REVIEW VOL 8 1970 PP 5-17
39. CHARLESWORTH, H.K.; HERZEL, W.G. 1970 THE GROSS STATE PRODUCT OF KENTUCKY: 1968. A PRELIMINARY REPORT. OFFICE OF DEVELOPMENT SERVICES AND

THESIS BIBLIOGRAPHY

BUSINESS RESEARCH, COLLEGE OF BUSINESS AND ECONOMICS, UNIVERSITY OF KENTUCKY, LEXINGTON.

40. CHARTERED INSTITUTE OF PUBLIC FINANCE AND ACCOUNTANCY, THE 1977 LOCAL GOVERNMENT FINANCE AND MACRO-ECONOMIC POLICY. THE CHARTERED INSTITUTE OF PUBLIC FINANCE AND ACCOUNTANCY, UNITED KINGDOM
41. CHOW, G.C.; LIN, A. 1971 BEST LINEAR UNBIASED INTERPOLATION, DISTRIBUTION, AND EXTRAPOLATION OF TIME SERIES BY RELATED SERIES. REVIEW OF ECONOMICS AND STATISTICS VOL 53 1971 PP. 372-375
42. CHRETIEN, J. 1978 PROVINCIAL PRODUCT ACCOUNTS. PRESS RELEASE. DEPARTMENT OF FINANCE, CANADA. 2 JUNE, 1978, OTTAWA.
43. CLARK, C. 1938 NATIONAL INCOME AND OUTLAY. MACMILLAN SECOND EDITION
44. CLARK, C. 1940 VALUE OF PRODUCTION AND OF NATIONAL INCOME. IN QUEENSLAND YEAR BOOK NO 4 1940 CHAPTER 7 PRODUCTION PP. 166-76
45. CLARK, C. 1945 THE ECONOMIC FUNCTIONS OF A CITY IN RELATION TO ITS SIZE. ECONOMETRICA APRIL 1945
46. CLARK, C. 1949 REGIONAL PRODUCTION AND WEALTH. ECONOMIC NEWS VOL 18 NO 5 MAY 1949 PP 1-4
47. COGHLAN, T.A. 1894 THE WEALTH AND PROGRESS OF NEW SOUTH WALES, 1894. GOVERNMENT PRINTER, SYDNEY
48. CONFERENCE IN APPLIED ECONOMIC RESEARCH 1977 CONFERENCE PAPERS OF THE RESERVE BANK OF AUSTRALIA CONFERENCE IN APPLIED ECONOMIC RESEARCH. RESERVE BANK OF AUSTRALIA
49. COURBIS, R. 1979 THE REGINA MODEL: A REGIONAL-NATIONAL MODEL FOR FRENCH PLANNING. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 9 NOS 2/3 MAY/AUGUST 1979 PP 117-139
50. CROSSMAN, P.J. 1977 PRELIMINARY QUARTERLY ESTIMATES OF QUEENSLAND GROSS STATE PRODUCT - METHOD AND EXAMPLE. WORKING PAPERS IN ECONOMICS NO 1 DEPARTMENT OF ECONOMICS, JAMES COOK UNIVERSITY
51. CROSSMAN, P.J. 1979 A GUIDE TO RUNNING DYNAMIC SIMULATIONS OF NON-LINEAR ECONOMETRIC MODELS. TECHNICAL MEMORANDUM #2 DEPARTMENT OF ECONOMICS JAMES COOK UNIVERSITY

THESIS BIBLIOGRAPHY

52. CROSSMAN, P.J. 1980 QUARTERLY ESTIMATES OF QUEENSLAND GROSS STATE PRODUCT AT FACTOR COST BY INDUSTRY 1969III TO 1975II. WORKING PAPERS IN ECONOMICS NO 6 DEPARTMENT OF ECONOMICS, JAMES COOK UNIVERSITY
53. CROW, R.T. 1973 A NATIONALLY-LINKED REGIONAL ECONOMETRIC MODEL. JOURNAL OF REGIONAL SCIENCE VOL 13 NO 2 1973 PP 187-204
54. CROW, R.T. 1979 OUTPUT DETERMINATION AND INVESTMENT SPECIFICATION IN MACROECONOMETRIC MODELS OF OPEN REGIONS. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 9 NOS 2/3 MAY/AUGUST 1979 PP 141-158
55. CZAMANSKI, S. 1968 REGIONAL INCOME & PRODUCT ACCOUNTS OF NORTH-EASTERN NOVA SCOTIA. REGIONAL STUDIES SERIES NO. 1. INSTITUTE OF PUBLIC AFFAIRS, DALHOUSIE UNIVERSITY, HALIFAX.
56. CZAMANSKI, S. 1972 REGIONAL SCIENCE TECHNIQUES IN PRACTICE: THE CASE OF NOVA SCOTIA. LEXINGTON
57. DATA RESOURCES, INCORPORATED 1976 THE DATA RESOURCES NATIONAL ECONOMIC INFORMATION SYSTEM. NORTH-HOLLAND
58. DEANE, P. 1953 REGIONAL VARIATIONS IN UNITED KINGDOM INCOMES FROM EMPLOYMENT, 1948. JOURNAL OF THE ROYAL STATISTICAL SOCIETY, SERIES A VOL CXVI PART II 1953 PP. 123-139
59. DIXON, P.G.; PARMENTER, B.R.; RYLAND, G.J.; SUTTON, J.M. 1977 ORANI, A GENERAL EQUILIBRIUM MODEL OF THE AUSTRALIAN ECONOMY: CURRENT SPECIFICATION AND ILLUSTRATIONS OF USE FOR POLICY ANALYSIS. FIRST PROGRESS REPORT OF THE IMPACT PROJECT, VOL 2, A.G.P.S., AUGUST 1977
60. DONOVAN, J.B. 1978 MAJOR INFLUENCES ON THE ECONOMIC GROWTH OF THE STATES OF AUSTRALIA - 1953/54 TO 1965/66. UNPUBLISHED PH.D. THESIS MACQUARIE UNIVERSITY
61. DUESENBERY, J.S.; FROMM, G.; KLEIN, L.R.; KUH, E. 1965 THE BROOKINGS QUARTERLY ECONOMETRIC MODEL OF THE UNITED STATES. NORTH HOLLAND
62. DUTTA, M.; SU, V. 1969 AN ECONOMETRIC MODEL OF PUERTO RICO. REVIEW OF ECONOMIC STUDIES VOL 36 1969 PP 319-333
63. EBNER, M. 1976 DEVELOPMENT, ESTIMATION AND FORECASTING ACCURACY OF REGIONAL FINANCIAL MODELS: AN APPLICATION WITHIN THE STATE OF FLORIDA. UNPUBLISHED PH.D. THESIS, UNIVERSITY

THESIS BIBLIOGRAPHY

OF FLORIDA

64. ECKSTEIN, O.; HALVORSEN, R.F. 1974 A BEHAVIORAL MODEL OF THE PUBLIC FINANCES OF THE STATE AND LOCAL SECTOR. IN SMITH AND CULBERTSON (1974 , PP. 309 - 332
65. ECONOMIST, THE 1980 THE STICKING PLACE. A SURVEY OF THE WEST GERMAN ECONOMY. 8-14 NOV 1980, P 13
66. EDWARDS, G.C. 1977 AN INPUT-OUTPUT MODEL OF THE TASMANIAN ECONOMY. PAPER PRESENTED TO THE SECOND MEETING OF THE REGIONAL SCIENCE ASSOCIATION, AUSTRALIAN AND NEW ZEALAND SECTION, SYDNEY, DECEMBER 1977.
67. ENGERMAN, S. 1965 REGIONAL ASPECTS OF STABILIZATION POLICY. IN MUSGRAVE (1965) ESSAYS IN FISCAL FEDERALISM. THE BROOKINGS INSTITUTION
68. ENGLE, R.F. 1974 ISSUES IN THE SPECIFICATION OF AN ECONOMETRIC MODEL OF METROPOLITAN GROWTH. JOURNAL OF URBAN ECONOMICS VOL 1 1974 PP 250-267
69. EVANS, M.K. 1969 MACROECONOMIC ACTIVITY: THEORY , FORECASTING AND CONTROL: AN ECONOMETRIC APPROACH. HARPER AND ROW
70. FINSELBACH, M.G. 1981 TRANSACTIONS TABLES AND MULTIPLIERS FOR THE STATE OF QUEENSLAND, 1974-75 TO 1977-78. UNPUBLISHED B.EC. THESIS, DEPARTMENT OF ECONOMICS, JAMES COOK UNIVERSITY
71. FISHKIND, H.H. 1977 THE REGIONAL IMPACT OF MONETARY POLICY: AN ECONOMIC SIMULATION STUDY OF INDIANA 1958-1973. JOURNAL OF REGIONAL SCIENCE VOL 17 NO 1 1977 PP 77-88
72. FLETCHER, P.G. 1972 REGIONAL ANALYSIS - A DEFINITIONAL APPROACH (AND A NOTE ON REGIONAL STABILIZATION POLICY FOR QUEENSLAND). PAPER PRESENTED TO A MEETING OF THE QUEENSLAND DIVISION OF THE AUSTRALIAN INSTITUTE OF URBAN STUDIES. 5 SEPTEMBER 1972.
73. FORRESTER, J.W. 1961 INDUSTRIAL DYNAMICS. M.I.T. PRESS
74. FORRESTER, J.W. 1969 URBAN DYNAMICS. M.I.T. PRESS
75. FORRESTER, J.W. 1971 WORLD DYNAMICS. WRIGHT-ALLEN PRESS

THESIS BIBLIOGRAPHY

76. FORRESTER, J.W. 1980 INFORMATION SOURCES FOR MODELLING THE NATIONAL ECONOMY. JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION VOL 75 NO 371 SEPTEMBER 1980 PP. 555 - 56
77. FRIEDMAN, M. 1962 THE INTERPOLATION OF TIME SERIES BY RELATED SERIES. JOURNAL OF THE AMERICAN STATISTICAL ASSOCIATION VOL 57 DEC 1962 PP. 729-757
78. FROMELT, E.J. 1973 GROSS STATE PRODUCT ESTIMATES FOR SOUTH DAKOTA. SOUTH DAKOTA BUSINESS REVIEW , MAY 1973
79. FROMM, G.; KLEIN, L.R. 1975 THE BROOKINGS MODEL: PERSPECTIVE AND RECENT DEVELOPMENTS. NORTH HOLLAND
80. FROMM, G.; TAUBMAN, P. 1968 POLICY SIMULATIONS WITH AN ECONOMETRIC MODEL. BROOKINGS INSTITUTION
81. GHALI, M.; RENAUD, B. 1975 THE STRUCTURE AND DYNAMIC PROPERTIES OF A REGIONAL ECONOMY. LEXINGTON
82. GILBERT, C.L. 1977 REGRESSION USING MIXED ANNUAL AND QUARTERLY DATA. JOURNAL OF ECONOMETRICS VOL 5 1977 PP. 221-239
83. GINSBURGH, V.A. 1973 A FURTHER NOTE ON THE DERIVATION OF QUARTERLY FIGURES CONSISTENT WITH ANNUAL DATA. APPLIED STATISTICS VOL 21 1973 PP. 368-374
84. GLEJSER, H.; VAN DAELE, G.; LAMBRECHT, M. 1973 FIRST EXPERIMENTS WITH AN ECONOMETRIC REGIONAL MODEL OF THE BELGIAN ECONOMY. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 3 NO 3 AUGUST 1973 PP. 301 - 314
85. GLICKMAN, N.J. 1971 AN ECONOMETRIC FORECASTING MODEL FOR THE PHILADELPHIA REGION. JOURNAL OF REGIONAL SCIENCE VOL 11 NO 1 1971 PP 15-32
86. GLICKMAN, N.J. 1974 SON OF "THE SPECIFICATION OF REGIONAL ECONOMETRIC MODELS" PAPERS OF THE REGIONAL SCIENCE ASSOCIATION 1974 VOL 32 PP 155-181
87. GLICKMAN, N.J. 1977 ECONOMETRIC ANALYSIS OF REGIONAL SYSTEMS. ACADEMIC PRESS
88. GLICKMAN, N.J. 1979 ON ECONOMETRIC MODELS AND METHODS IN REGIONAL SCIENCE. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 9 NO 2/3 PP 111-116

THESIS BIBLIOGRAPHY

89. GORDON, M. 1978 ESTIMATION AND ANALYSIS OF THE HOUSEHOLD SECTOR INCOME OF AUSTRALIAN REGIONS USING OFFICIAL STATISTICS AS THE DATA SOURCE 1965-1972. UNPUBLISHED M.COM. THESIS, UNIVERSITY OF NEWCASTLE
90. GOUGH, M.; HUGHES, H.; MCFARLANE, B.J.; PALMER, G.R. 1964 QUEENSLAND : INDUSTRIAL ENIGMA. MELBOURNE UNIVERSITY PRESS
91. GRAHAM, R.E. JR. 1972 THE VIEW FROM WASHINGTON. GROWTH AND CHANGE APRIL 1972 PP 32-35
92. GRAMLICH, E.M.; GALPER, H. 1973 STATE AND LOCAL FISCAL BEHAVIOR AND FEDERAL GRANT POLICY. BROOKINGS PAPERS ON ECONOMIC ACTIVITY NO 1, 1973
93. GREEN, R.J. 1967 A LONG-RANGE ECONOMETRIC FORECASTING MODEL FOR ILLINOIS. BUREAU OF BUSINESS AND ECONOMIC RESEARCH, UNIVERSITY OF ILLINOIS
94. GREWAL, B.S. 1981 ECONOMIC CRITERIA FOR THE ASSIGNMENT OF FUNCTIONS IN A FEDERAL SYSTEM. INFORMATION PAPER : ADVISORY COUNCIL ON INTER-GOVERNMENT RELATIONS, AUSTRALIA
95. GROENEWEGEN, P. 1981 THE FISCAL CRISIS OF AUSTRALIAN FEDERALISM. PAPER PRESENTED AT A MEETING OF THE INTEREST GROUP ON FEDERALISM AND PUBLIC POLICIES, TOWNSVILLE, 5 JUNE 1981, XEROXED
96. GRUEN, F.H. 1979 THE STATISTICIANS REVISIONS OF GROSS NON-FARM PRODUCT ESTIMATES. AUSTRALIAN ECONOMIC PAPERS DEC 1979 PP 397-400
97. HAITOVSKY, Y.; TREYZ, G.; SU, V. 1974 FORECASTS WITH QUARTERLY MACRO-ECONOMETRIC MODELS. NATIONAL BUREAU OF ECONOMIC RESEARCH, STUDIES IN BUSINESS CYCLES NO 23
98. HALL, O.P.; LICARI, J.A. 1974 BUILDING SMALL REGION ECONOMETRIC MODELS: EXTENSION OF GLICKMANS STRUCTURE TO LOS ANGELES. JOURNAL OF REGIONAL SCIENCE VOL 14 NO 3 1974 PP 337-353
99. HAMBOR, J.C.; NORMAN, M.R.; RUSSELL, R.R. 1974 A TAX REVENUE FORECASTING MODEL FOR THE STATE OF HAWAII. PUBLIC FINANCE QUARTERLY VOL 2 NO 4 OCT 1974 PP. 432-50
100. HAMILTON, H.R.; GOLDSTONE, S.E.; MILLIMAN, J.W.; PUGH III A.L.; ROBERTS, E.B.; ZELLNER, A. 1969 SYSTEMS SIMULATION FOR REGIONAL ANALYSIS: AN APPLICATION TO RIVER-BASIN PLANNING. M.I.T. PRESS

THESIS BIBLIOGRAPHY

101. HARRIS, C.P. 1967 INTERREGIONAL VARIATIONS IN LEVELS AND GROWTH OF PER CAPITA PERSONAL INCOME IN QUEENSLAND 1953/4 AND 1960/1. UNPUBLISHED PH.D. THESIS, UNIVERSITY OF LEEDS
102. HARRIS, C.P. 1968 REGIONAL PERSONAL INCOME IN QUEENSLAND, 1953-54 AND 1960-61. ECONOMIC RECORD JUNE 1968 PP. 243-248
103. HARRIS, C.P.; CROSSMAN, P.J. HOUSEHOLD INCOME PER HEAD IN QUEENSLAND 1953-54 TO 1978-79: A STUDY OF INTERSTATE AND INTRASTATE DISPARITIES. IN MATHEWS, R.L. (1981) REGIONAL DISPARITIES. ANU PRESS
104. HARRIS, C.P.; CROSSMAN, P.J. 1979 INTERSTATE DISPARITIES IN PER CAPITA HOUSEHOLD INCOME IN AUSTRALIA 1953-54 TO 1976-77. IN BOWERS, J.K. (1979) INFLATION, DEVELOPMENT AND INTEGRATION. LEEDS UNIVERSITY PRESS
105. HELLIWELL, J.F.; OFFICER, L.H.; SHAPIRO, H.T.; STEWART, J.A. 1969 THE STRUCTURE OF RDX1 BANK OF CANADA
106. HIELSCHER, L.A. 1980 RECENT DEVELOPMENTS IN STATE TAXATION IN QUEENSLAND. PAPER PRESENTED TO A SEMINAR OF THE RESEARCH ADVISORY COMMITTEE OF THE CENTRE FOR RESEARCH ON FEDERAL FINANCIAL RELATIONS, CANBERRA, 21 MAY 1980
107. HIGGINS, C.I.; FITZGERALD, V.W. 1973 AN ECONOMETRIC MODEL OF THE AUSTRALIAN ECONOMY. MIMEOGRAPHED PAPER, MARCH 1973, COMMONWEALTH TREASURY
108. HIRSCH, W.Z. 1964 ELEMENTS OF REGIONAL ACCOUNTS. PAPERS PRESENTED AT THE CONFERENCE ON REGIONAL ACCOUNTS, 1962. JOHN HOPKINS PRESS
109. HOCHWALD, W. 1961 DESIGN OF REGIONAL ACCOUNTS. PAPERS PRESENTED AT THE CONFERENCE ON REGIONAL ACCOUNTS, 1960. JOHN HOPKINS PRESS
110. HOGAN, W.P. 1979 QUICKSANDS OF POLICY MAKING. AUSTRALIAN ECONOMIC PAPERS DEC 1979 PP 384-396
111. HOLT, C.C. 1965 VALIDATION AND APPLICATION OF MACROECONOMIC MODELS USING COMPUTER SIMULATION. IN DUESENBERY ET AL. (1965) THE BROOKINGS QUARTERLY ECONOMETRIC MODEL OF THE UNITED STATES
112. HOLT, C.C.; SHIRLEY, R.; STEWARD, D.; SCHRANK, W.E.; PALIT, D.; MIDLER, J.L.; STROUD, A.H. 1967 PROGRAM SIMULATE II : A USERS AND PROGRAMMERS MANUAL. SOCIAL SYSTEMS RESEARCH INSTITUTE, UNIVERSITY OF WISCONSIN

THESIS BIBLIOGRAPHY

113. HUDSON, D.C. 1976 THE GROSS STATE PRODUCT OF TASMANIA. UNPUBLISHED B.E.C. THESIS, UNIVERSITY OF TASMANIA.
114. ICHIMURA, S. 1965 AN ECONOMETRIC ANALYSIS OF DOMESTIC MIGRATION AND REGIONAL ECONOMY. REGIONAL SCIENCE ASSOCIATION: PAPERS, XVI, EUROPEAN CONGRESS, 1965 PP 67-76
115. INTRILIGATOR, M.D. 1978 ECONOMETRIC MODELS, TECHNIQUES AND APPLICATIONS. PRENTICE-HALL
116. ISARD, W. 1960 METHODS OF REGIONAL ANALYSIS: AN INTRODUCTION TO REGIONAL SCIENCE. WILEY
117. ISARD, W.; LANGFORD, T.W. 1971 REGIONAL INPUT-OUTPUT STUDY : RECOLLECTIONS, REFLECTIONS, AND DIVERSE NOTES ON THE PHILADELPHIA EXPERIENCE. M.I.T. PRESS
118. JEFFERSON, C.W. 1978 A REGIONAL ECONOMETRIC MODEL OF THE NORTHERN IRELAND ECONOMY. SCOTTISH JOURNAL OF POLITICAL ECONOMY NOV 1978 VOL 25 NO 3 PP 253-272
119. JENSEN, R.C.; MANDEVILLE, T.D.; KARUNARATNE, N.D. 1977 GENERATION OF REGIONAL INPUT-OUTPUT TABLES FOR QUEENSLAND. REPORT TO THE CO-ORDINATOR GENERALS DEPARTMENT AND THE DEPARTMENT OF COMMERCIAL AND INDUSTRIAL DEVELOPMENT, DEPARTMENT OF ECONOMICS, UNIVERSITY OF QUEENSLAND
120. JENSEN, R.C.; MANDEVILLE, T.D.; KARUNARATNE, N.D. 1979 REGIONAL ECONOMIC PLANNING - GENERATION OF REGIONAL INPUT-OUTPUT ANALYSIS. CROOM HELM
121. JOHNSTON, J. 1972 ECONOMETRIC METHODS. MCGRAW-HILL SECOND EDITION
122. JONSON, P.D; NORTON, W.E. 1979 MACROECONOMIC MODELLING: THE RBA EXPERIENCE. RESERVE BANK OF AUSTRALIA STATISTICAL BULLETIN , JANUARY 1980
123. KARLQVIST, A.; SHARPE, R.; BATTEN, D.F.; BROTCHE, J.F. 1978 A REGIONAL PLANNING MODEL AND ITS APPLICATION TO SOUTH EASTERN AUSTRALIA. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 8 NO 1 FEBRUARY 1978 PP. 57 - 86
124. KATTKE, J. 1972 GROSS STATE PRODUCT ESTIMATES FOR SOUTH DAKOTA. SOUTH DAKOTA BUSINESS REVIEW MAY 1972 PP. 6-9
125. KENDRICK, J.W. 1972 ECONOMIC ACCOUNTS AND THEIR USES. MCGRAW HILL

THESIS BIBLIOGRAPHY

126. KENDRICK, J.W.; JAYCOX, C.H. 1965 THE CONCEPT AND ESTIMATION OF GROSS STATE PRODUCT. SOUTHERN ECONOMIC JOURNAL XXXII 153-168
127. KENT-SMITH, D.; PRITCHARD, A. 1975 FURTHER ESTIMATES OF REGIONAL GROSS DOMESTIC PRODUCT. ECONOMIC TRENDS NO 259 MAY 1975 PP 87-94
128. KERR, A. 1963 STATE AND REGIONAL INCOME ESTIMATION, THEORY AND PRACTICE. UNIVERSITY OF WESTERN AUSTRALIA PRESS
129. KERR, A.M. 1961 TEXAS STATE INCOME, 1950-1958. THE REVIEW OF ECONOMICS AND STATISTICS VOL XLIII FEB 1961 PP 60-3
130. KLEIN, L.R. 1950 ECONOMIC FLUCTUATIONS IN THE UNITED STATES, 1921-1941. WILEY
131. KLEIN, L.R. 1969 THE SPECIFICATION OF REGIONAL ECONOMETRIC MODELS. PAPERS OF THE REGIONAL SCIENCE ASSOCIATION VOL XXIII 1969 PP 105-115
132. KLEIN, L.R.; EVANS, M.K. 1969 ECONOMETRIC GAMING: A KIT FOR COMPUTER ANALYSIS OF MACROECONOMIC MODELS. MACMILLAN
133. KLEIN, L.R.; GLICKMAN, N.J. 1977 ECONOMETRIC MODEL-BUILDING AT REGIONAL LEVEL. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 7 NOS 1/2 1977 PP 3-23
134. KMENTA, J. 1966 AN ECONOMETRIC MODEL OF AUSTRALIA 1948-61. AUSTRALIAN ECONOMIC PAPERS VOL 5 NO 2 DECEMBER 1966
135. KOSOBUD, R.; MINAMI, R. 1977 ECONOMETRIC STUDIES OF JAPAN. UNIVERSITY OF ILLINOIS PRESS
136. KUH, E.; SCHMALENSEE, R.L. 1973 AN INTRODUCTION TO APPLIED MACROECONOMICS. NORTH HOLLAND
137. L'ESPERANCE, W.L. 1976 AN OVERVIEW OF THE OHIO ECONOMY. BULLETIN OF BUSINESS RESEARCH: THE OHIO STATE UNIVERSITY VOL LI NO 1 JANUARY 1976 PP 4-7
138. L'ESPERANCE, W.L. 1977 OPTIMAL STABILIZATION POLICY AT THE REGIONAL LEVEL. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 7 NOS 1/2 1977 PP 25-48
139. L'ESPERANCE, W.L. 1979 AN OPTIMAL CONTROL OF A STATE ECONOMETRIC MODEL. GROWTH AND CHANGE VOL 10 NO 2 APRIL 1979 PP 30-39
140. L'ESPERANCE, W.L.; KING, A.E.; SINES, R.H. 1977

THESIS BIBLIOGRAPHY

- CONJOINING AN OHIO INPUT-OUTPUT MODEL WITH AN
ECONOMETRIC MODEL OF OHIO. REGIONAL SCIENCE
PERSPECTIVES VOL 7 NO 2 1977 PP. 54-77
141. L'ESPERANCE, W.L.; NESTEL, G.; FROMM, D. 1969
GROSS STATE PRODUCT AND AN ECONOMETRIC MODEL OF
A STATE. JOURNAL OF THE AMERICAN STATISTICAL
ASSOCIATION VOL 64 1969 PP 787-807
142. L'ESPERANCE, W.L.; TAYLOR, D. 1972 GROSS OHIO
PRODUCT (1949-1970) AND THE OHIO ECONOMY.
BULLETIN OF BUSINESS RESEARCH: THE OHIO STATE
UNIVERSITY VOL XLVII NO 5 MAY 1972 PP. 1-3
143. LANDE, P.S. 1978 THE INTERREGIONAL COMPARISON OF
PRODUCTION FUNCTIONS. REGIONAL SCIENCE AND
URBAN ECONOMICS VOL 8 NO 4 PP 339-354
144. LATHAM, W.R.; LEWIS, K.A.; LANDON, J.H. 1979
REGIONAL ECONOMETRIC MODELS: SPECIFICATION AND
SIMULATION OF A QUARTERLY ALTERNATIVE FOR SMALL
REGIONS. JOURNAL OF REGIONAL SCIENCE VOL 19
NO 1 1979 PP 1-13
145. LEVEN, C.L. 1964 REGIONAL AND INTERREGIONAL
ACCOUNTS IN PERSPECTIVE. PAPERS OF THE
REGIONAL SCIENCE ASSOCIATION VOL 13 1964 PP.
127-146
146. LISMAN, J.H.C.; SANDEE, J. 1964 DERIVATION OF
QUARTERLY FIGURES FROM ANNUAL DATA. APPLIED
STATISTICS VOL 13 1964 PP. 87-90
147. LOVISCEK, A.L.; HOLLIDAY, R.E.; ROBINSON, L.A.;
WOLFORD, M.A. 1979 THE 1975 WEST VIRGINIA
INPUT-OUTPUT STUDY. WEST VIRGINIA UNIVERSITY
LIBRARY
148. LYNCH, G.A. 1971 ESTIMATING IDAHO AND REGIONAL
GROSS PRODUCT. IDAHO BUSINESS AND ECONOMIC
REVIEW JUNE 1971 PP. 22-27
149. MACDONALD, D.S. 1977 PROVINCIAL ECONOMIC
ACCOUNTS. PRESS RELEASE AND STATEMENT.
DEPARTMENT OF FINANCE, CANADA. 6 JUNE, 1977,
OTTAWA.
150. MALINVAUD, E. 1980 PROFITABILITY AND
UNEMPLOYMENT: BASED ON THE MARSHALL LECTURES
GIVEN AT THE UNIVERSITY OF CAMBRIDGE 1978.
CAMBRIDGE UNIVERSITY PRESS
151. MATHEWS, R.L. 1974 INTERGOVERNMENTAL RELATIONS IN
AUSTRALIA. ANGUS AND ROBERTSON
152. MATHEWS, R.L. 1977 B STATE AND LOCAL TAXATION.
A.N.U. PRESS : CENTRE FOR RESEARCH ON FEDERAL

THESIS BIBLIOGRAPHY

FINANCIAL RELATIONS

153. MATHEWS, R.L. 1977 A MECHANISMS FOR FISCAL EQUALISATION IN AN INTEGRATING EUROPEAN COMMUNITY. CENTRE FOR RESEARCH ON FEDERAL FINANCIAL RELATIONS, REPRINT SERIES NO. 19
154. MATHEWS, R.L. 1981 REGIONAL DISPARITIES. ANU PRESS
155. MATHUR, V.K.; ROSEN, H.S. 1971 AN ECONOMETRIC EXPORT BASE MODEL OF REGIONAL GROWTH: A DEPARTURE FROM CONVENTIONAL TECHNIQUES. IN "PATTERNS AND PROCESSES IN URBAN AND REGIONAL SYSTEMS" LONDON PAPERS IN REGIONAL SCIENCE 3. PP 31-43
156. MATTILA, J.M. 1973 A METROPOLITAN INCOME DETERMINATION MODEL AND THE ESTIMATION OF METROPOLITAN INCOME MULTIPLIERS. JOURNAL OF REGIONAL SCIENCE VOL 13 NO 1 1973 PP 1-16
157. MCCARTHY, M.D. 1972 THE WHARTON QUARTERLY ECONOMETRIC FORECASTING MODEL, MARK III. ECONOMICS RESEARCH UNIT, WHARTON SCHOOL, UNIVERSITY OF PENNSYLVANIA
158. MCCRONE, G. 1965 SCOTLAND'S ECONOMIC PROGRESS 1951-1960. A STUDY IN REGIONAL ACCOUNTING. GEORGE ALLEN AND UNWIN
159. MCKIBBIN, W.J. 1980 MACROECONOMETRIC MODELS OF THE AUSTRALIAN ECONOMY: A COMPARATIVE ANALYSIS. RESEARCH DISCUSSION PAPER 8001 JUNE 1980 RESERVE BANK OF AUSTRALIA
160. MEADOWS, D.H.; MEADOWS, D.L.; RANDERS, J.; BEHRENS, W.W. 1972 THE LIMITS TO GROWTH EARTH ISLAND
161. MILNE, W.J.; GLICKMAN, N.J.; ADAMS, F.G. 1980 A FRAMEWORK FOR ANALYZING REGIONAL GROWTH AND DECLINE: A MULTIREGION ECONOMETRIC MODEL OF THE UNITED STATES. JOURNAL OF REGIONAL SCIENCE VOL 20 NO 2 1980 PP. 173 - 189
162. MIRON, J.R. 1979 MIGRATION AND URBAN ECONOMIC GROWTH. REGIONAL SCIENCE AND URBAN ECONOMICS VOL 9 NOS 2/3 MAY/AUGUST 1979 PP 159-183
163. MOODY, H.T.; PUFFER, F.W.; WILLIAMS, R.M. 1967 ESTIMATING COMPONENTS OF GROSS REGIONAL PRODUCT FOR USE IN AN EIGHT REGION MODEL OF THE U.S. ECONOMY THE ANNALS OF REGIONAL SCIENCE VOL 1 NO 1 PP 33-45
164. MUSGRAVE, R.A. 1965 ESSAYS IN FISCAL FEDERALISM.

THESIS BIBLIOGRAPHY

THE BROOKINGS INSTITUTION

165. N.B.E.R. 1957 REGIONAL INCOME - STUDIES IN INCOME AND WEALTH VOLUME 21 PRINCETON UNIVERSITY PRESS
166. NAYLOR, T.H. 1971 COMPUTER SIMULATION EXPERIMENTS WITH MODELS OF ECONOMIC SYSTEMS. WILEY
167. NEVILE, J.W. 1974 A THEORY OF FISCAL DECENTRALIZATION. IN MATHEWS, R.L. (1974) INTERGOVERNMENTAL RELATIONS IN AUSTRALIA.
168. NEVILE, J.W. 1975 FISCAL POLICY IN AUSTRALIA: THEORY AND PRACTICE. CHESHIRE
169. NEVIN, E. 1956 THE GROSS NATIONAL PRODUCT OF WALES, 1950. BULLETIN OF THE OXFORD UNIVERSITY INSTITUTE OF STATISTICS VOL 18 FEB 1956 PP. 61-71
170. NEVIN, E.; ROE, A.R.; ROUND, J.I. 1966 THE STRUCTURE OF THE WELSH ECONOMY. UNIVERSITY OF WALES PRESS. CARDIFF.
171. NIEMI, A.W. 1972 A RE-EXAMINATION OF THE KENDRICK JAYCOX METHOD OF ESTIMATING GROSS STATE PRODUCT. REVIEW OF REGIONAL STUDIES VOL 2 NO 3 SPRING 1972, PP. 123-131
172. NIEMI, A.W. 1975 GROSS STATE PRODUCT AND PRODUCTIVITY IN THE SOUTHEAST. THE UNIVERSITY OF NORTH CAROLINA PRESS
173. NORMAN, M. 1967 B SOLVING A NON-LINEAR ECONOMETRIC MODEL. UNPUBLISHED PAPER PRESENTED TO A MEETING OF THE AMERICAN ECONOMIC ASSOCIATION, WASHINGTON
174. NORMAN, M. 1967 A THE SIM MODEL SOLUTION PROGRAM. UNPUBLISHED MIMEO, WITH CONTRIBUTIONS MADE BY H. SHAPIRO AND R.M. RASCHE
175. NORTON, W.E. 1970 A MODEL OF THE AUSTRALIAN ECONOMY: A PROGRESS REPORT. RESERVE BANK OF AUSTRALIA: OCCASIONAL PAPER NO. 3A
176. NORTON, W.E. 1972 FORECASTING WITH A MACROECONOMIC MODEL: AN INTRODUCTION. ECONOMIC RECORD MAR 1972 PP 116-122
177. NORTON, W.E.; BROADBENT, J.R. 1970 EQUATIONS FOR PERSONAL CONSUMPTION EXPENDITURE. RESERVE BANK OF AUSTRALIA: OCCASIONAL PAPER NO. 3B
178. NORTON, W.E.; HENDERSON, J.F. 1972 A MODEL OF THE AUSTRALIAN ECONOMY: A FURTHER REPORT. RESERVE

THESIS BIBLIOGRAPHY

BANK OF AUSTRALIA: OCCASIONAL PAPER NO 3G

179. NORTON, W.E.;SCHOTT, K.E.; SWEENY, K.M. 1971
EMPLOYMENT AND PRICES. RESERVE BANK OF
AUSTRALIA: OCCASIONAL PAPER NO. 3F
180. OATES, W.E. 1972 FISCAL FEDERALISM. HARCOURT,
BRACE AND JOVANOVIH
181. PATINKIN, D. 1976 KEYNES AND ECONOMETRICS: ON THE
INTERACTION BETWEEN THE MACROECONOMIC
REVOLUTIONS OF THE INTERWAR PERIOD.
ECONOMETRICA VOL 44 NO 6 NOVEMBER 1976 PP.
1091 - 1121
182. PEARCE, I.F.; TRIVEDI, P.K.; STROMBACK, C.T.;
ANDERSON, G.J. 1976 A MODEL OF OUTPUT,
EMPLOYMENT, WAGES, AND PRICES IN THE U.K..
CAMBRIDGE UNIVERSITY PRESS
183. PEPPIN, P.B. 1974 A REGIONAL GROWTH STUDY OF
MOUNT ISA. UNPUBLISHED M.EC.(REG.PLAN.)
THESIS, DEPARTMENT OF ECONOMICS, JAMES COOK
UNIVERSITY
184. PINDYCK, R.S. 1973 OPTIMAL PLANNING FOR ECONOMIC
STABILIZATION. NORTH-HOLLAND
185. PINDYCK, R.S.; RUBINFELD, D.L. 1976 ECONOMETRIC
MODELS AND ECONOMIC FORECASTS. MCGRAW-HILL
186. POIRIER, D.J. 1975 ON THE USE OF BILINEAR SPLINES
IN ECONOMICS. JOURNAL OF ECONOMETRICS VOL 3
NO 1 FEBRUARY, 1975 PP. 23-34
187. POLENSKE, K.R. 1972 STATE ESTIMATES OF THE GROSS
NATIONAL PRODUCT 1947, 1958, 1963. LEXINGTON
BOOKS
188. POWELL, A.A. 1977 THE IMPACT PROJECT : AN
OVERVIEW A.G.P.S.
189. PRESTON, R.S. 1975 THE INPUT-OUTPUT SECTOR OF THE
WHARTON ANNUAL AND INDUSTRY FORECASTING MODEL.
IN FROMM, G. AND KLEIN, L.R. (1975) THE
BROOKINGS MODEL: PERSPECTIVE AND RECENT
DEVELOPMENTS.
190. RATAJCZAK, D. 1974 DATA LIMITATIONS AND
ALTERNATIVE METHODOLOGY IN ESTIMATING REGIONAL
ECONOMETRIC MODELS. THE REVIEW OF REGIONAL
STUDIES FALL 1974 VOL 4 NO 2 PP 51-64
191. RATAJCZAK, D.; WILLIAMS, R.M. 1972 THE CASE FOR A
GROSS STATE PRODUCT SERIES. GROWTH AND CHANGE
APRIL 1972 PP 29-31

THESIS BIBLIOGRAPHY

192. RENSHAW, V. 1975 GROSS STATE PRODUCT : COMMENT.
GROWTH AND CHANGE OCTOBER 1975 PP 43-6
193. RENTON, G.A. 1974 MODELLING THE ECONOMY.
HEINEMANN
194. RESEARCH SEMINAR IN QUANTITATIVE ECONOMICS 1965
ECONOMETRIC MODEL OF MICHIGAN UNIVERSITY OF
MICHIGAN PRESS
195. RHOMBERG, R.R.; BOISSONNEAULT, L. 1965 THE
FOREIGN SECTOR. IN DUESENBERY ET AL. (1965)
THE BROOKINGS QUARTERLY ECONOMETRIC MODEL OF THE
UNITED STATES.
196. RICE, P.F.; GOBER, R.W. 1973 LOUISIANA GROSS
STATE PRODUCT. THE LOUISIANA ECONOMY :
DIVISION OF BUSINESS AND ECONOMIC RESEARCH,
LOUISIANA TECH UNIVERSITY VOL VI NO 4 MAY 1973
PP. 1-4
197. RICHARDSON, H.W. 1973 REGIONAL GROWTH THEORY.
MACMILLAN
198. RICHARDSON, H.W. 1978 REGIONAL AND URBAN
ECONOMICS. PENGUIN
199. RICHTER, C. 1972 SOME LIMITATIONS OF REGIONAL
ECONOMETRIC MODELS. THE ANNALS OF REGIONAL
SCIENCE JUN 1972 VOL VI NO 1 PP 28-34
200. ROBERTS, R.B.; FISHKIND, H. 1979 THE ROLE OF
MONETARY FORCES IN REGIONAL ECONOMIC ACTIVITY:
AN ECONOMETRIC SIMULATION ANALYSIS. JOURNAL OF
REGIONAL SCIENCE 1979 VOL 19 NO 1 PP 15-29
201. RUBIDA, K.W. 1977 AN ECONOMETRIC MODEL OF THE
COLORADO ECONOMY. UNPUBLISHED PH.D. THESIS
UNIVERSITY OF COLORADO AT BOULDER
202. RUBIN, B.M.; ERICKSON, R.A. 1980 SPECIFICATION
AND PERFORMANCE IMPROVEMENTS IN REGIONAL
ECONOMETRIC FORECASTING MODELS; A MODEL FOR THE
MILWAUKEE METROPOLITAN AREA. JOURNAL OF
REGIONAL SCIENCE VOL 20 NO 1 1980 PP 11-35
203. RURAL BANK 1977 T.A. COGHLAN - NEW SOUTH WALES'
FIRST GOVERNMENT STATISTICIAN. TRENDS VOL 10
NO 6 DEC 1977 PP. 15-17
204. SALTER, W.E.G. 1953 THE MEASUREMENT OF FACTOR
INCOME GENERATED BY PRODUCTIVE SECTORS IN
WESTERN AUSTRALIA, 1947/8 - 1950/1. RESEARCH
STUDIES IN COMMUNITY INCOME, DEPARTMENT OF
ECONOMICS, UNIVERSITY OF WESTERN AUSTRALIA
205. SALTZMAN, S.; CHI, H.-S. 1977 AN EXPLORATORY

THESIS BIBLIOGRAPHY

MONTHLY INTEGRATED REGIONAL/NATIONAL ECONOMETRIC
MODEL. REGIONAL SCIENCE AND URBAN ECONOMICS
VOL 7 NOS 1/2 1977 PP 49-81

206. SCHAFFER, W.A. 1976 ON THE USE OF INPUT-OUTPUT
MODELS FOR REGIONAL PLANNING. MARTINUS NIJHOFF
SOCIAL SCIENCES DIVISION
207. SCHINK, G.R. 1975 AN EVALUATION OF THE PREDICTIVE
ABILITIES OF A LARGE MODEL: POST-SAMPLE
SIMULATIONS WITH THE BROOKINGS MODEL. IN
FROMM, G. AND KLEIN, L.R. (1975) THE BROOKINGS
MODEL: PERSPECTIVE AND RECENT DEVELOPMENTS.
208. SHANG, Y.C.; ALBRECHT, W.H.; IFUKU, G.; OSHIMA, H.T.
1970 HAWAII'S INCOME AND EXPENDITURE ACCOUNTS,
1958-1968. ECONOMIC RESEARCH CENTER,
UNIVERSITY OF HAWAII, JULY, 1970
209. SHARPE, R.; KARLQVIST, A. 1980 TOWARDS A UNIFYING
THEORY FOR MODELLING URBAN SYSTEMS. REGIONAL
SCIENCE AND URBAN ECONOMICS VOL 10 NO 2 JUNE
1980 PP.241 - 257
210. SIEGEL, R.A. 1966 DO REGIONAL BUSINESS CYCLES
EXIST. WESTERN ECONOMIC JOURNAL VOL 5 1966
PP 44-57
211. SMITH, W.L.; CULBERTSON, J.M. 1974 PUBLIC FINANCE
AND STABILIZATION POLICY: ESSAYS IN HONOUR OF
RICHARD A. MUSGRAVE. NORTH HOLLAND
212. SNOOKS, G.D. 1968 DEPRESSION AND RECOVERY IN
WESTERN AUSTRALIA 1923/4 - 1938/9. UNPUBLISHED
M.EC.THESIS UNIVERSITY OF WESTERN AUSTRALIA
MARCH 1968
213. SNOOKS, G.D. 1972 REGIONAL ESTIMATES OF GROSS
DOMESTIC PRODUCT AND CAPITAL FORMATION: WESTERN
AUSTRALIA, 1923-24 - 1938-39. ECONOMIC RECORD
DEC 1972 PP 536-53
214. SOMERMEYER, W.H.; JANSEN, R.; LOUTER, A.S. 1976
ESTIMATING QUARTERLY VALUES OF ANNUALLY KNOWN
VARIABLES IN QUARTERLY RELATIONSHIPS. JOURNAL
OF THE AMERICAN STATISTICAL ASSOCIATION VOL 71
NO 355 SEP 1976 PP. 588-595
215. SPAHN, P.B. 1976 THE FINANCIAL BEHAVIOUR OF
STATE- LOCAL GOVERNMENTS IN AUSTRALIA. REPRINT
SERIES: NUMBER 25. CENTRE FOR RESEARCH ON
FEDERAL FINANCIAL RELATIONS, A.N.U.
216. SPAHN, P.B. 1976 SPLIT. A FORTRAN PROGRAM FOR
INTERPOLATING TIME SERIES BY SPLINE-FUNCTIONS.
UNPUBLISHED PAPER. CENTRE FOR RESEARCH ON
FEDERAL FINANCIAL RELATIONS, A.N.U.

THESIS BIBLIOGRAPHY

217. SPAHN, P.B. 1977 B THE PATTERN OF STATE AND LOCAL TAXATION IN THE FEDERAL REPUBLIC OF GERMANY. IN MATHEWS, R.L. (1977) STATE AND LOCAL TAXATION. A.N.U. PRESS
218. SPAHN, P.B. 1977 A FEDERAL GRANT POLICY AND STATE-LOCAL TAXATION. IN MATHEWS, R.L. (1977) STATE AND LOCAL TAXATION. A.N.U. PRESS
219. STARK, K.P.; WADHWA, L.C.; CROSSMAN, P.J.; DEMOULIN, Y.M.; GRICHTING, W.L.W.; HARPER, B.A. 1977 SUBMISSION TO THE DEPARTMENT OF ENVIRONMENT HOUSING AND COMMUNITY DEVELOPMENT ON REGIONAL SYSTEMS SIMULATION STUDY. DEPARTMENT OF CIVIL AND SYSTEMS ENGINEERING, JAMES COOK UNIVERSITY
220. STATISTICS CANADA 1977 PROVINCIAL ECONOMIC ACCOUNTS, 1961-1974, EXPERIMENTAL DATA.
221. STONE, R. 1960 SOCIAL ACCOUNTS AT THE REGIONAL LEVEL: A SURVEY. IN ISARD, W. AND CUMBERLAND, J.H. REGIONAL ECONOMIC PLANNING
222. SWANN, D. 1970 THE ECONOMICS OF THE COMMON MARKET. PENGUIN MODERN ECONOMICS
223. TATEMOTO, M.; UCHIDA, T.; WATANABE, T. 1977 A STABILIZATION MODEL FOR THE POSTWAR JAPANESE ECONOMY, 1954-1962. IN KOSOBUD AND MINAMI (1977) ECONOMETRIC STUDIES OF JAPAN. UNIVERSITY OF ILLINOIS PRESS
224. TELFORD, K.; YULE, A.; BURDEKIN, R. 1974 A DYNAMIC MACROECONOMIC MODEL OF THE NORTHERN ECONOMIC PLANNING REGION. UK SCIENTIFIC CENTRE IBM UK LTD
225. THEIL, H. 1958 ECONOMIC FORECASTS AND POLICY. NORTH-HOLLAND
226. THOMASSEN, H. 1957 A GROWTH MODEL FOR A STATE. SOUTHERN ECONOMIC JOURNAL VOL 24 PP. 123-139
227. TINBERGEN, J. 1967 DEVELOPMENT PLANNING. WEIDENFELD AND NICOLSON
228. TREYZ, G.I. 1980 DESIGN OF A MULTIREGIONAL POLICY ANALYSIS MODEL JOURNAL OF REGIONAL SCIENCE VOL 20 NO 2 1980 PP. 191 - 206
229. UNITED NATIONS 1968 A SYSTEM OF NATIONAL ACCOUNTS. UNITED NATIONS DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS, STATISTICAL OFFICE . STUDIES IN METHODS SERIES F NO 2 REV 3, NEW YORK 1968
230. UNITED NATIONS 1973 INPUT-OUTPUT TABLES AND

THESIS BIBLIOGRAPHY

- ANALYSIS. UNITED NATIONS DEPARTMENT OF ECONOMIC AND SOCIAL AFFAIRS, STATISTICAL OFFICE. STUDIES IN METHODS SERIES F NO 14 REV 1, NEW YORK 1973
231. VAN DUIJN, J.J. 1975 INFLATION, UNEMPLOYMENT, AND REGIONAL ECONOMIC POLICY. DELFT GRADUATE SCHOOL OF MANAGEMENT: RAPPORT NO 21 PAPER PREPARED FOR THE SUMMER ANNUAL MEETING P.T.R.C. UNIVERSITY OF WARWICK JULY 1975
232. VANGREVELINGHE, G. 1966 LEVOLUTION A COURT TERME DE LA CONSOMMATION DES MENAGES. ETUDES ET CONJONCTURE (INSEE) VOL 9 PP. 54-102
233. WAELBROECK, J. 1976 THE MODELS OF PROJECT LINK. NORTH HOLLAND
234. WEBER, R.E. 1979 B A SYNTHESIS OF METHODS PROPOSED FOR ESTIMATING GROSS STATE PRODUCT. JOURNAL OF REGIONAL SCIENCE VOL 19 NO 2 1979 PP 217-30
235. WEBER, R.E. 1979 A ESTIMATING QUARTERLY GROSS STATE PRODUCT. BUSINESS ECONOMICS VOL 14 1979 PP. 38-43
236. WEST, G.R.; WILKINSON, J.T.; JENSEN, R.C. 1979 GENERATION OF REGIONAL INPUT-OUTPUT TABLES FOR THE STATE AND REGIONS OF SOUTH AUSTRALIA. DEPARTMENT OF ECONOMICS, UNIVERSITY OF QUEENSLAND, DECEMBER 1979
237. WHITE, K.J. 1978 A GENERAL COMPUTER PROGRAM FOR ECONOMETRIC METHODS - SHAZAM. ECONOMETRICA VOL 46 NO 1 JANUARY 1978 PP. 239 - 240
238. WILSON, T. 1964 ECONOMIC DEVELOPMENT IN NORTHERN IRELAND. CMD. 479 H.M.S.O. BELFAST
239. WONG, W.L. 1974 REGIONAL ECONOMETRIC MODELS FOR TASMANIA. UNPUBLISHED M.EC. THESIS, UNIVERSITY OF TASMANIA
240. WOODWARD, V.H. 1970 REGIONAL SOCIAL ACCOUNTS FOR THE UNITED KINGDOM. N.I.E.S.R. REGIONAL PAPERS 1 C.U.P.