Mind-mapping research methods

Michael Crowe

Physiotherapy Department, James Cook University, Townsville, Queensland



Introduction

It can be difficult to envisage the breadth and depth of research methods. A mind-map provides a simple way to summarise and visualise the information.

Five distinct areas in qualitative and quantitative research are explored:

- 1. Research design
- 2. Sampling techniques
- 3. Ethics
- 4. Data collection
- 5. Data analysis.

Purpose

Novice researchers

Grasp the variety of research methods available.

Experienced researchers

Explore different research methods.

Research supervisors

Guide students through the research process.

Teaching research

Explain research methods from start to finish by unfolding branches.

Biography

Life history

References

- Campbell, D. T., & Stanley, J. C. (1966). Experimental and quasiexperimental designs for research. Boston: Houghton Mifflin.
- Creswell, J. W. (2008). Research design: Qualitative, quantitative, and mixed methods approaches (3rd ed.). Thousand Oaks: Sage.
- Kaplan, D. (Ed.). (2004). The Sage handbook of quantitative methodology for the social sciences. Thousand Oaks: Sage.
- Neuman, W. L. (2006). Social research methods: Qualitative and
- quantitative approaches (6th ed.). Boston: Pearson.
 O'Leary, Z. (2004). The essential guide to doing research.
 London: Sage.
- Patton, M. Q. (2002). Qualitative evaluation and research methods (3rd ed.). Thousand Oaks: Sage.
- Portney, L. G., & Watkins, M. P. (2008). Foundations of clinical research: Applications to practice (3rd ed.). Upper Saddle River: Prentice Hall.

