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| **Introduction to Quantitative Research Methods –** **PCAI-Cycle Information sheet** |
| Any quantitative research project follows the steps below, commonly known as PCAI-cycle. The cycle comprises four connected components as clockwise represented on the diagram.  Encourage students to explore, discuss and comment each component. To lead the discussion we can ask, for example, what is the importance of each step of the cycle? How are they connected. Then why are they important? How will students apply these steps to their project or for a critical review?

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**Suggested References**

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3. Rowntree, D. (2018) *Statistics without tears: an introduction for non-mathematicians.* 4th ed. London: Penguin Books.
4. Teaching, Learning and Assessing Statistical Problem Solving [http://jse.amstat.org/v17n1/marriott.htm](http://jse.amstat.org/v17n1/marriott.html)
5. Koohestani H.R et al. (2009) Barriers to the reporting of medication administration errors among nursing students, *The Australian journal of advanced nursing*, 27 (1), pp. 66-74
6. Griffiths, C. et al. (2016) *Effect of an education programme for south Asians with asthma and their clinicians: a cluster randomised controlled trial* (OEDIPUS), PLoS ONE 11 (12) e0158783, and doi:10.1371/journal.pone. 0158783. pp. 1 – 16. Editor: Ji-Hyun Lee, UNM Cancer Centre USA. <https://core.ac.uk/display/74226478> Open access article
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