**Research Investigation**

Process for developing a research question based on identification of ‘sufficient and relevant evidence’.

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| **Step** | **Explanation** | **Outcome** |
| 1. Choose a claim |  |  |
| 2. Identify key terms from the claim using a mind map OR a list. | Identifying the key terms and associated questions and definitions helps you learn more about the claim. |  |
| 3. Broad preliminary literature search:  Put the claim into Google Scholar, <https://www.academia.edu/> or SLQ search | Doing a broad search of the claim will   * Identify possible avenues of research * Add to the understanding of the claim | A scan of peer reviewed papers shows that: |
| 4. Review research papers with more specific focus.  Scan abstracts & data to see if it is appropriate for the chosen claim | Reviewing scientific papers that are peer reviewed helps refine the focus and to develop an argument for or against the claim.  Use **reference sections** of papers to find other related papers | Papers sourced from Google Scholar/SLQ and jot down key ideas/potential variables: |
| 5. Relate new learning to the claim | By listing what has been learned from the scan of research, possible independent and dependent variables can be identified.  A draft research question can be developed from the claim | Independent variable/s:  Dependent variable/s: |
| **COMPLETE AN ANALYSIS FOR EACH SOURCE OF EVIDENCE USING THE RESEARCH RETRIEVAL CHART** | | |
| 6. Propose a question | Develop a draft research question | This may change multiple times as you identify appropriate datasets. |