

Defining Research Methods

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1 Methodology

Action Research and Experimental Research.

1.0.1 Overview of Approach

For my dissertation project, I anticipate that I will use a combination of both action research and experimental research methods. (Dawson 2015) state that action research involves defining a specific problem, then working towards a solution along with a subject or organisation. Furthermore, (Blair 2016) states that action research is considered a methodology or an approach to "find solutions to practical problems." Although action research falls within qualitative research, I

suspect that it may allow for flexibility when developing software as the approach in exploration to solve a specific problem. In the case of my proposed project, I am attempting to discover whether blockchains can interoperate with centralised systems.

In addition to action research, the (Dawson 2015) highlights that development projects typically fall under the experiment method, where the researcher investigates the "causal relationships using tests controlled by yourself." From my initial understanding, I suppose that I would develop a series of tests to establish whether the software I have developed meets the requirements of the proposed system design.

References

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