

Generating Evidence

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Qualitative Research: A research tradition that provides evidence typically from individuals and small groups; rich descriptions of experiences that are rigorously vetted and triangulated

Quantitative Research: A research tradition that provides evidence typically from large groups of individuals; statistical analysis and modeling of this data leading to claims and counter-claims

Mixed Methods Research: A research tradition that blends Qualitative and Quantitative approaches to generate complementary evidence

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STEM Education Research

- Studies by STEM professionals of:
 - how students understand STEM (concepts, practice, identity)
 - curricula / pedagogy
 - tools / context
- Theory, experiment, and applied



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