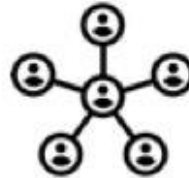# How to be Successful Doing Education Research

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Disclosures

- Medtronic

- Intuitive Surgical

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#goals

- Clinical
- Academic activity
- Professional organizations
- Editorial activity
- Advocacy

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What is education research?

Academic Area Committees and Degree Programs

Social Sciences, Humanities, & Interdisciplinary Policy Studies in Education (SHIPS)

- Anthropology
- Economics
- Educational Policy
- Higher Education
- History
- International Comparative Education
- Linguistics
- Organizational Studies
- Philosophy
- Race, Inequality, and Language in Education
- Sociology
- Learning Sciences and Technology Design

Cross-Area Specialization: Learning Sciences and Technology Design (LSTD)

*Learning Sciences and Technology Design is a unique cross-area specialization. Students will study the learning sciences and technology design within the context of the area (DAPS, CTE or SHIPS), to which they are also formally admitted.

Cross-Area Specialization: Race, Inequality, and Language in Education (RILE)

*Race, Inequality, and Language in Education is a unique cross-area specialization. R.I.L.E. trains students to become national leaders in conducting research on how race, inequality, and language intersect to make both ineffective and effective educational opportunities.

Developmental and Psychological Sciences (DAPS)

- Developmental and Psychological Sciences
- Learning Sciences and Technology Design
- Race, Inequality, and Language in Education

Curriculum Studies and Teacher Education (CTE)

- Elementary Education
- Literacy, Language, and English Education
- History/Social Science Education
- Learning Sciences and Technology Design
- Mathematics Education
- Race, Inequality, and Language in Education
- Science Education
- Teacher Education

Other Academic Opportunities

- Concentration in Education and Jewish Studies
- Quantitative Methods Certificate Program
- Stanford Interdisciplinary Doctoral Training Program in Quantitative Education Policy Analysis
- PhD Minor in Education

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Medical Education Research

Traditional

- Learning outcomes
- Curriculum design
- Pedagogy
- Simulation
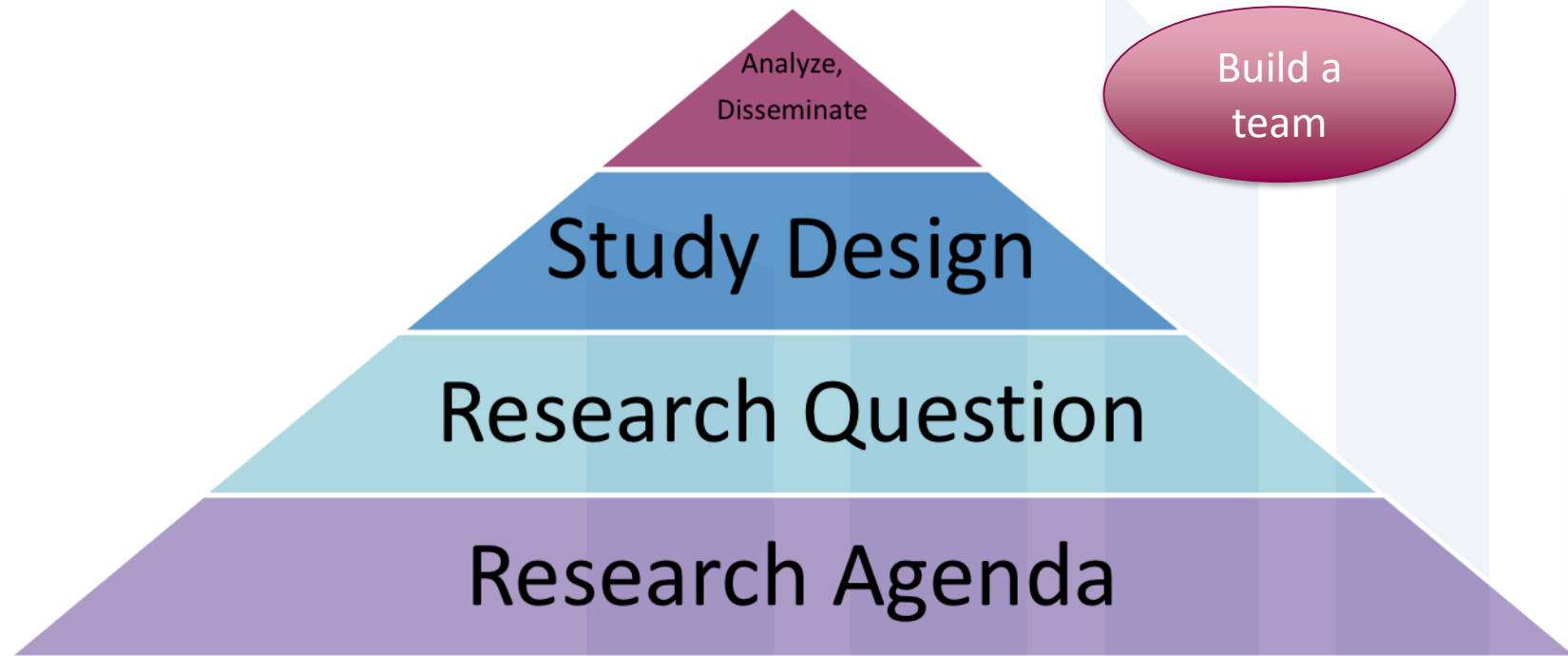- Performance assessment

Non-Traditional

- Well-being
- Diversity, equity, and inclusion

How Not To Do It

- Do it because you don't do anything else
- Do it because you ran a program and need to publish because you work at an academic medical center

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How to Start

Analyze, Disseminate

Study Design

Research Question

Research Agenda

Build a team

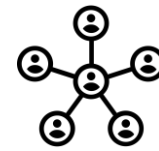arghavan@stanford.edu

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Journals

- JAMA
- Journal of GME
- Academic Medicine
- Medical Education
- Annals of Surgery
- JAMA Surgery
- JACS

- Journal of Surgical Research
- American Journal of Surgery
- Journal of Surgical Education

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Funding Agencies

- Macy Foundation
- Gold Foundation
- RWJF
- Stemmler (NBME)
- AHRQ
- NIH

- NSF
- AAMC
- AMA
- ASE
- Industry, other societies

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Organizations/Societies

- Surgical Education Research Fellowship
- Association for Surgical Education
- ACGME
- AAMC
- AMEE
- FC

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