

Engineering Leadership Professional Program



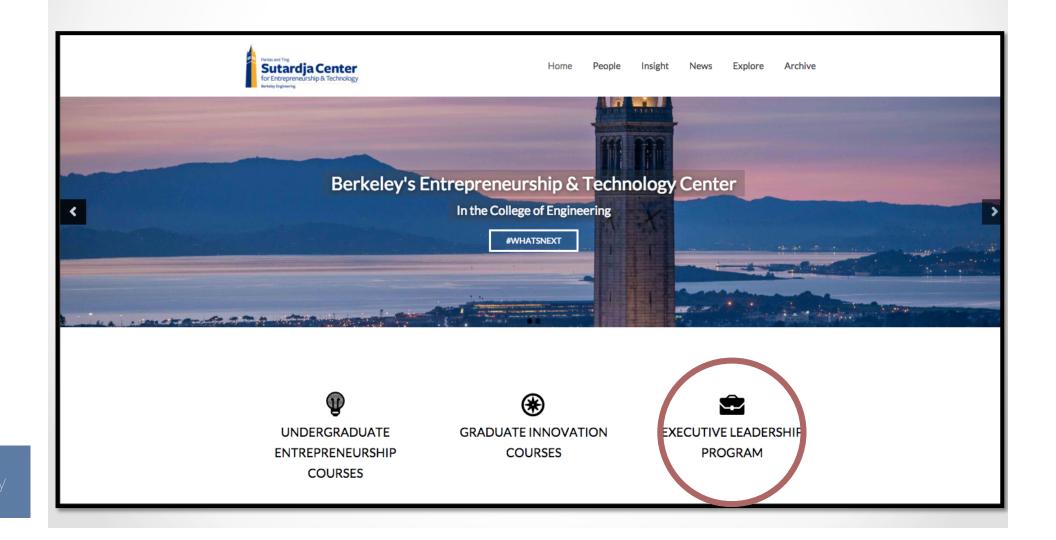








About US: The Sutardja Center for Entrepreneurship & Technology is the premier hub at UC Berkeley for "technology-centric" innovation and entrepreneurship.



Our projects are at the most current and highly applied edge of the University

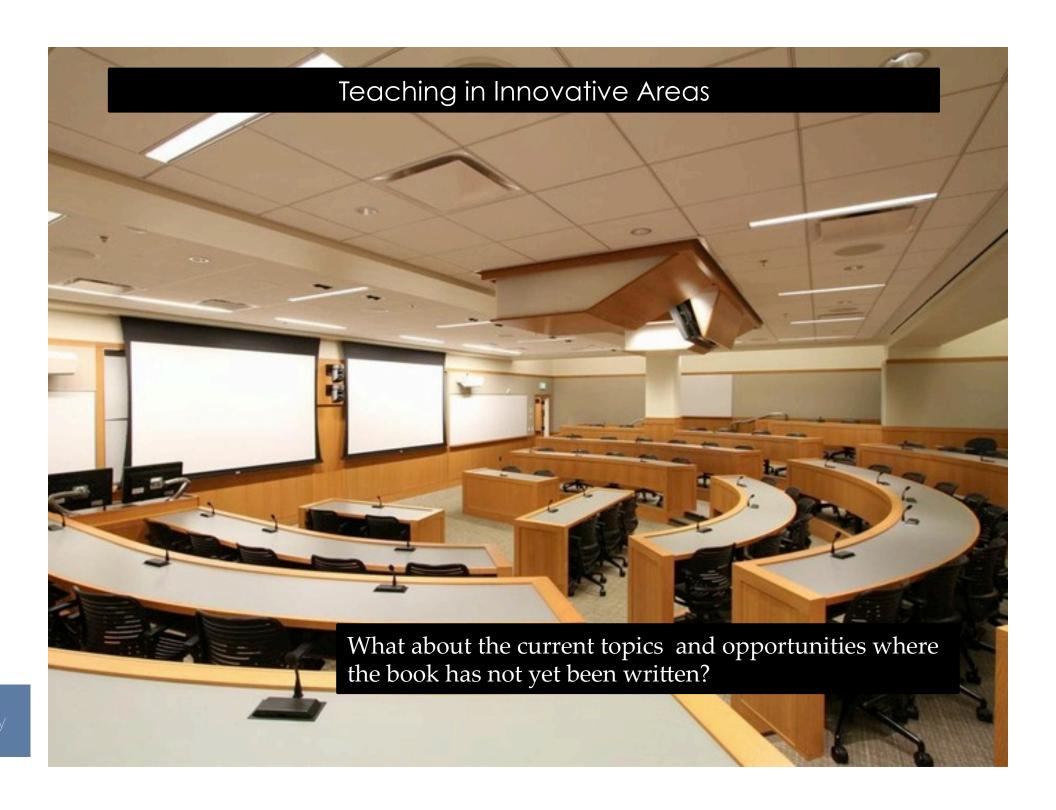
Fundamental Research

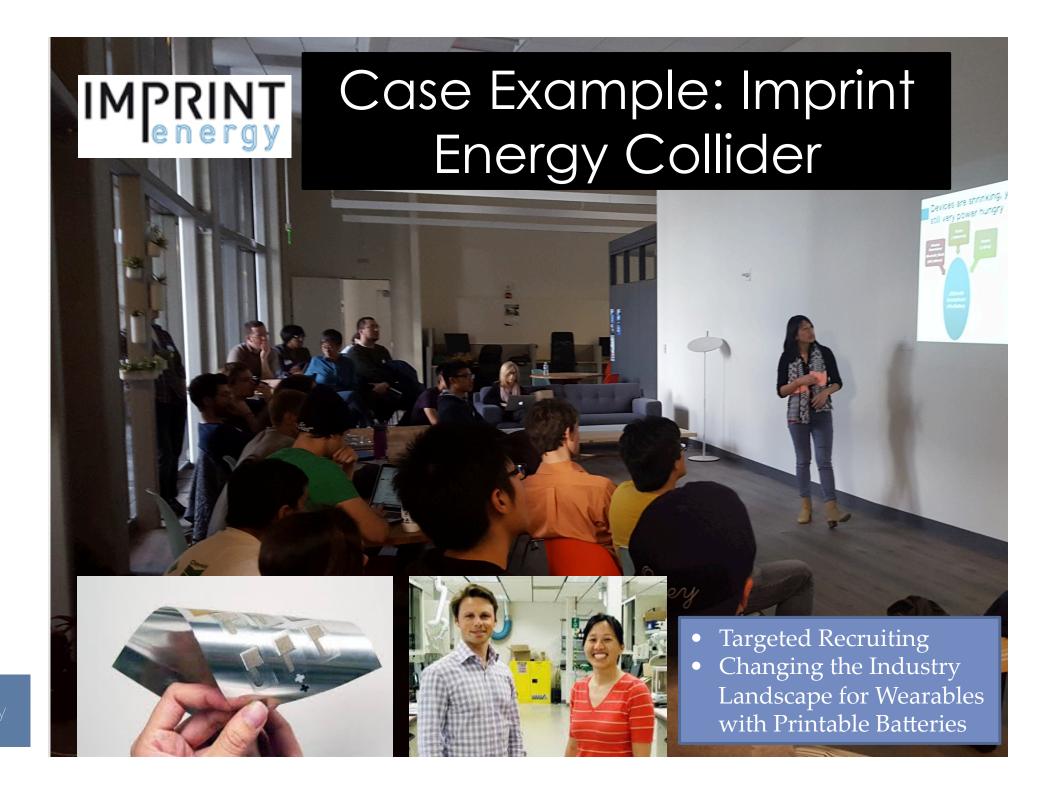
Use-Inspired Research

Industry Projects

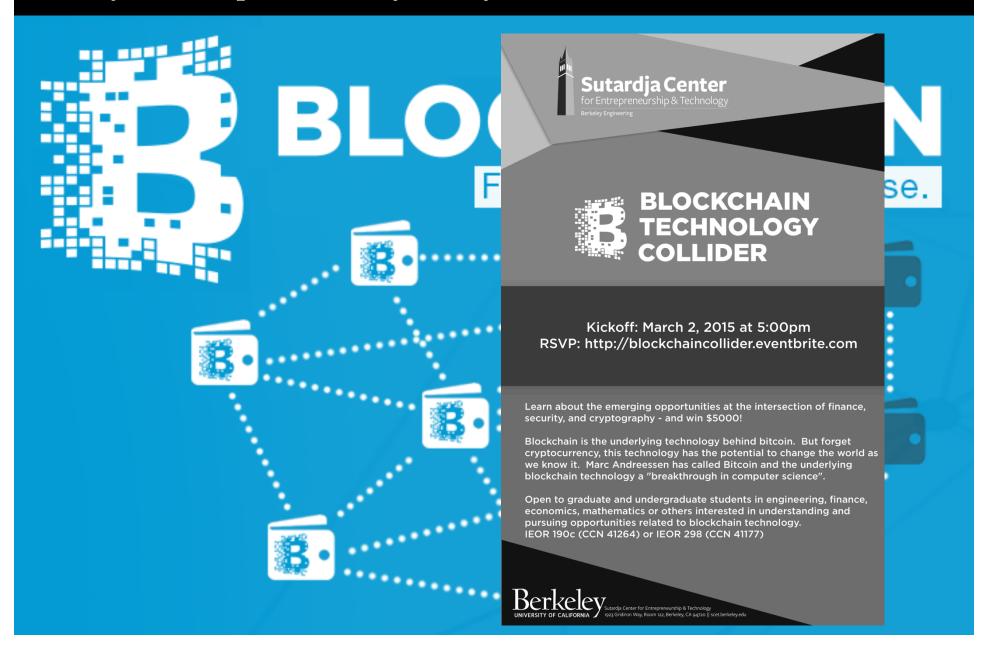
Sutardja Center 2016 #WhatsNext Watch List:

- 1. Blockchain
- 2. Meat Alternatives
- 3. Connected Cars
- 4. Wearables and patient recovery in healthcare
- 5. Data + Health
- 6. Practical Data for Small and Medium Size Businesses
- 7. 3D printing for healthcare
- 8. Virtual Reality + Everything
- 9. Preventing Neurological Disease We are on the verge.
- 10. Home Robotics

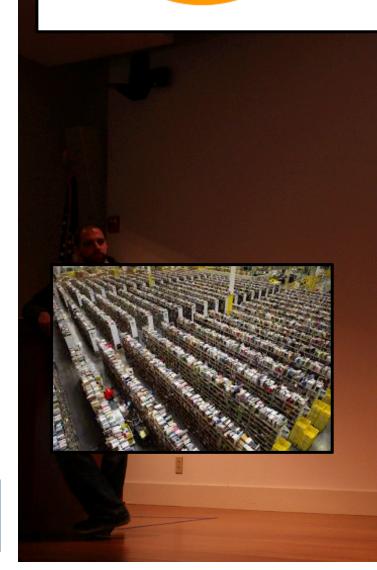




Case Example: Venture Funds, Experienced Founders, and Faculty Develop a Berkeley Ecosystem for Blockchain Innovations



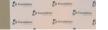
amazon

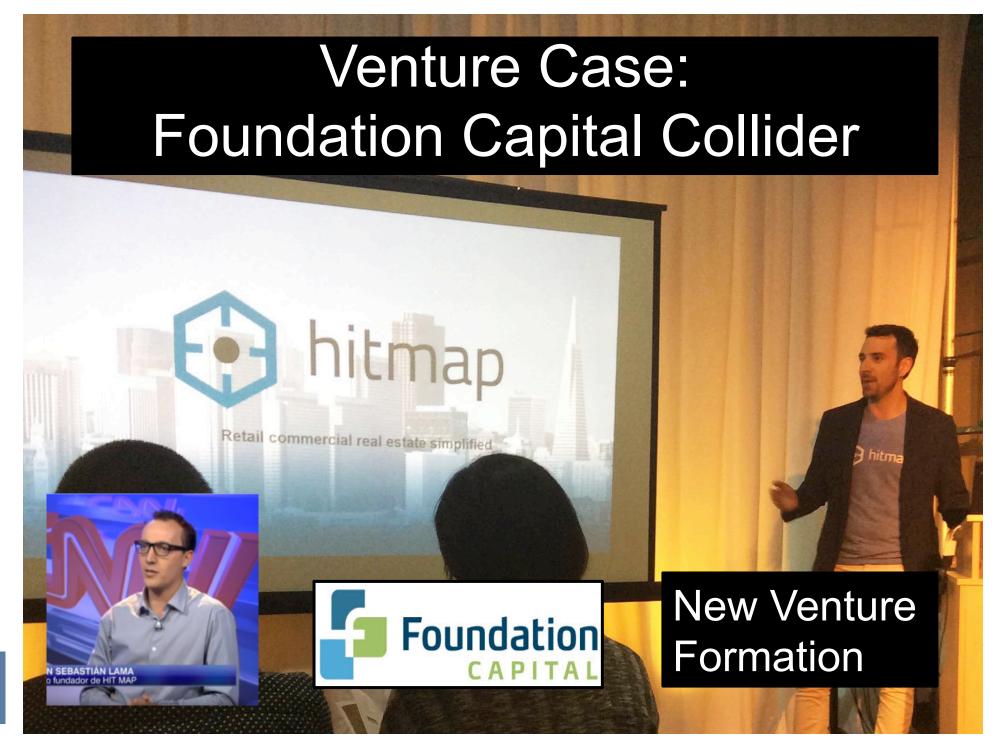


- 1) Forecasting the number of vehicles required for delivering packages is a difficult problem. Too many vehicles creates unnecessary costs, but too few vehicles will cause late deliveries. Given a demand vehicles will cause late deliveries. Given a demand vehicles vehicles option say for guaranteed vehicles option vehicles. Propose a series of the se
- 2) Create a supply/demand m available capacity in Amaz
 We have vehicles frequently facilities with available capacity in Amaz between products (or do work for 1).

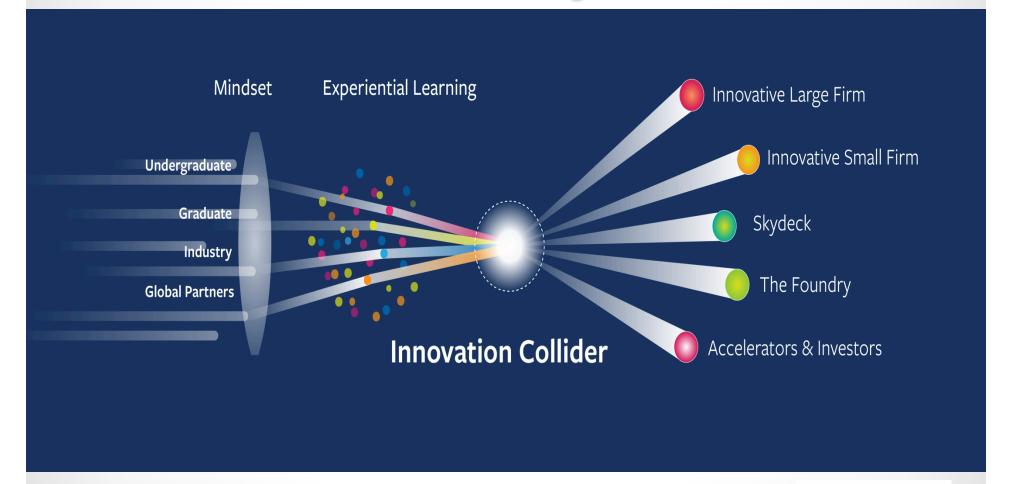
amazonlogistics

- Targeted Recruiting
- Redesigning the Amazon Supply Chain





The Innovation Collider is our new model for Experiential Teaching, Laboratory, and Targeted Recruiting







The Berkeley Method with Mindset & Behaviors A holistic, journey-based approach to entrepreneurship and innovation

Frameworks

Opportunity

MVP

Raising Funds

Business Models Diversity = Value

When to be "Perfect"

Belief & Ethics



Communication

Resilience to Failures

Pay

it

Forward

Information Sharing in Teams

Trusting

Others



Fair Negotiation

Measuring Risk

Networks

Facilities

Services

Mentors

Rules of Engagement

Mindset & Behaviors

A Question to Psychology Ph.D Student Jan Pries:

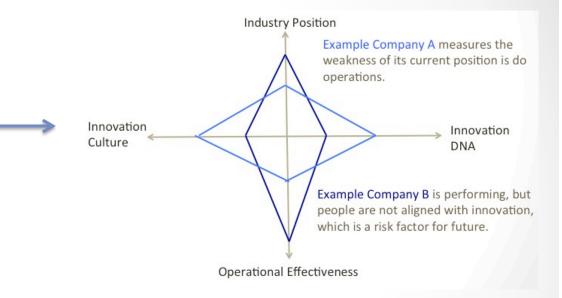
Which of the BMoE Behaviors can be measured in Psychology?





Berkeley Innovation Index – A Global Project





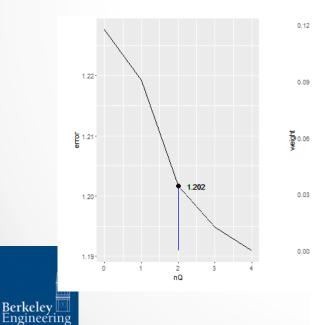


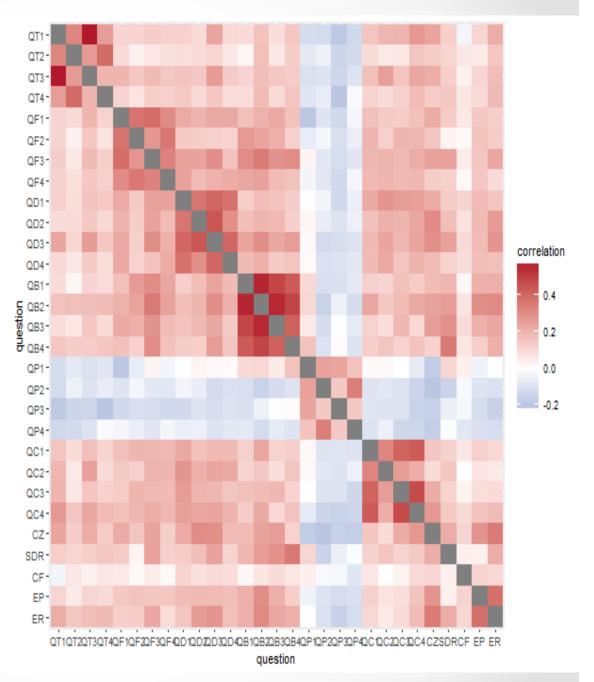
- Innovation Mindset: Personal
- Innovation in Organization by people, processes, and culture
 - By function
 - By social graph
- Diagnostics and index



- Same group, similar answer
- Some questions are too similar
- Negative correlation of perfection
- QP1 and belief questions
- EP, CZ and QB2 correlate most with ER

LASSO Regression

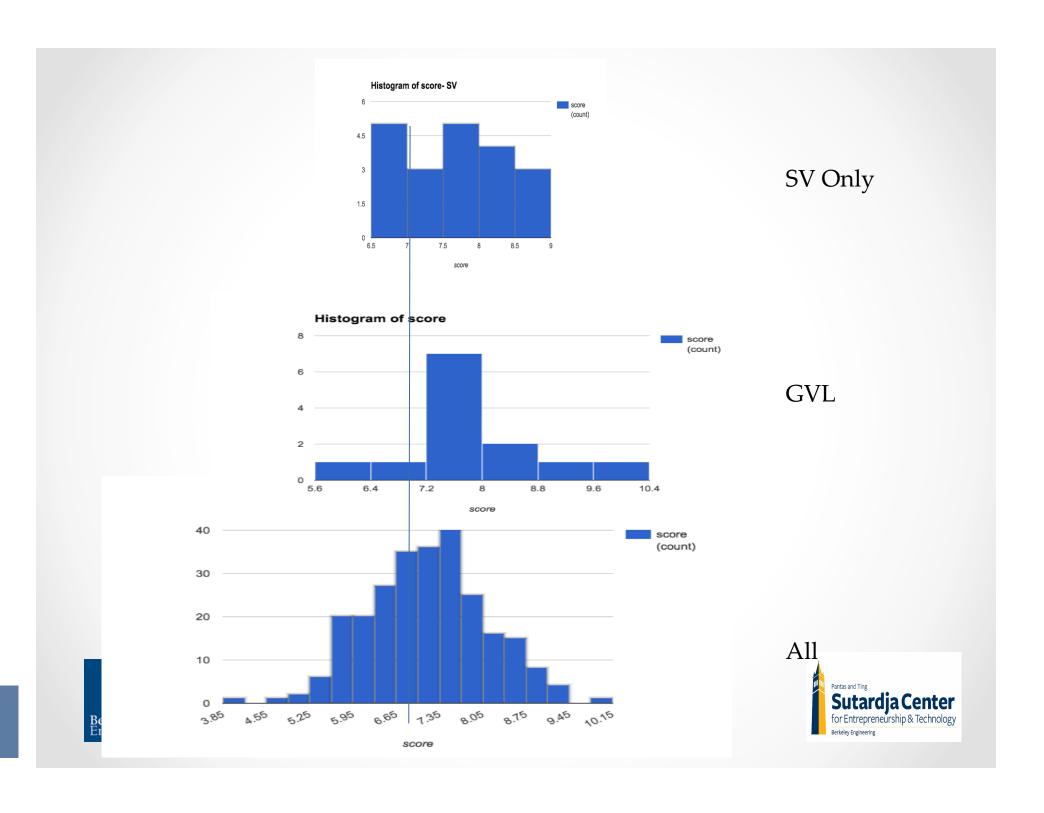




We can now measure students before and after a class and they can see how their attitudes have changed.

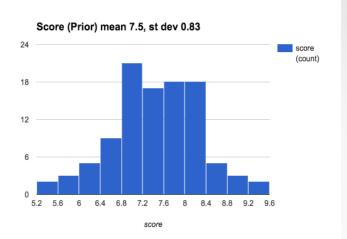


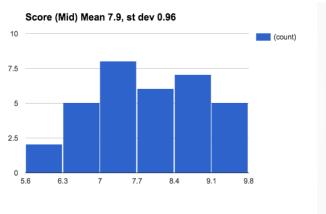


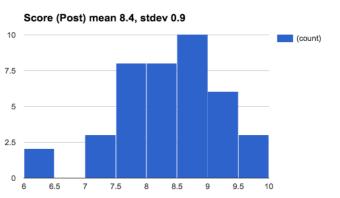


Innovation Mindset Scores: Pre, Mid, and Post BMoE Bootcamp









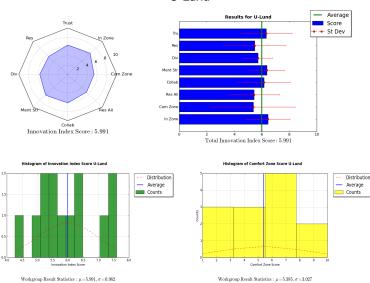




Beta version 1.07

Workgroup report

U-Lund



INNOVATION MINDSET

Your work group's average Innovation Index Score is 5.99 out of 10*

Factors of your Innovation Mindset

TRUST (Tru) 6.32 out of 10. (Ability to trust others and gain trust)

RESILIENCE (Res) 5.48 out of 10. (Ability to overcome failure)

DIVERSITY (Div) 5.72 out of 10. (Ability to overcome social barriers)

MENTAL STRENGTH (Ment Str) 6.38 out of 10. (Confidence and belief that you can succeed)

COLLABORATION (Collab) 6.16 out of 10. (Ability to work with everyone including competitors)

RESOURCE AWARENESS (Res All) 5.44 out of 10. (Ability to balance your resources)

INNOVATION ZONE (In Zone) 6.45 out of 10. (Ability to work in areas of uncertainty)





^{*} This is not a fixed level, anyone can grow their innovation mindset. Your level has been estimated using an analysis based on the Berkeley Method for Enterprenuership & Innovation, the Comfort Zone Scale, and fundamental testing methods in social psychology.

