

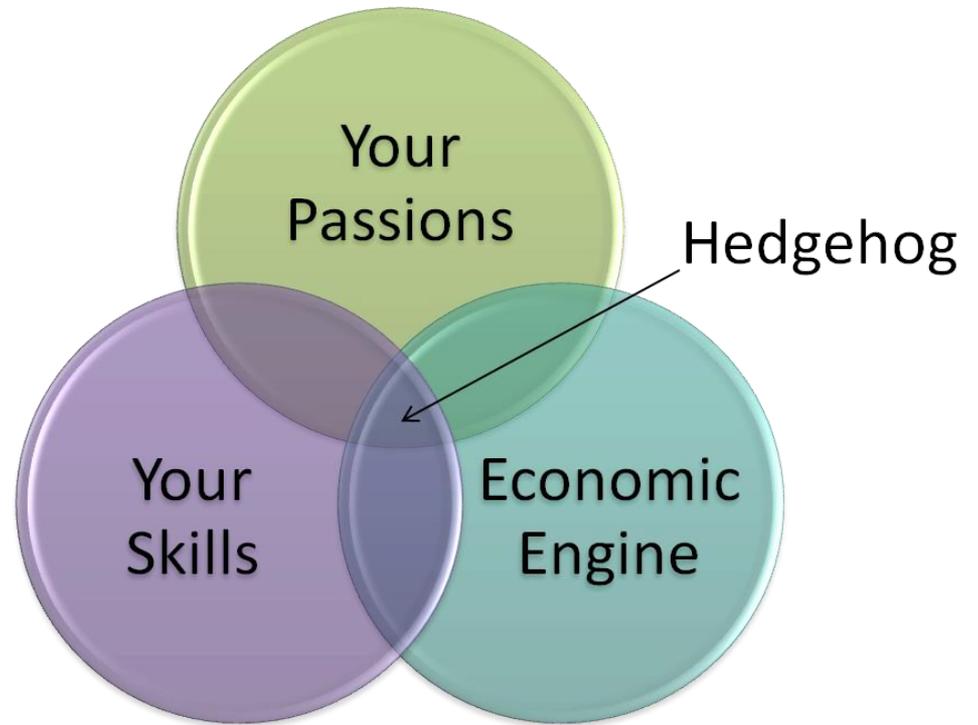
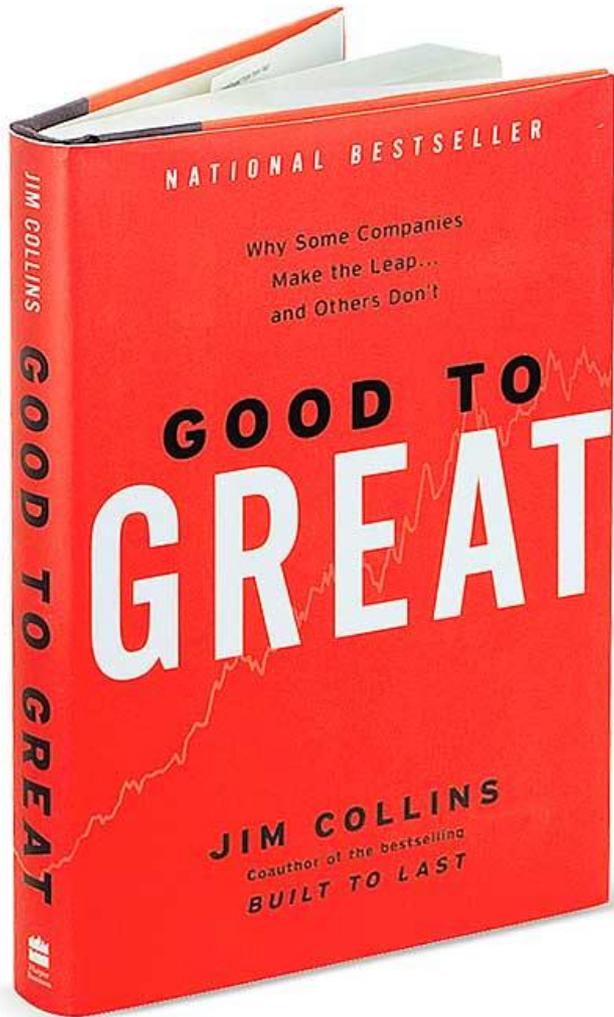
From courses to careers

Haoda Fu, Ph.D.

Eli Lilly and Company

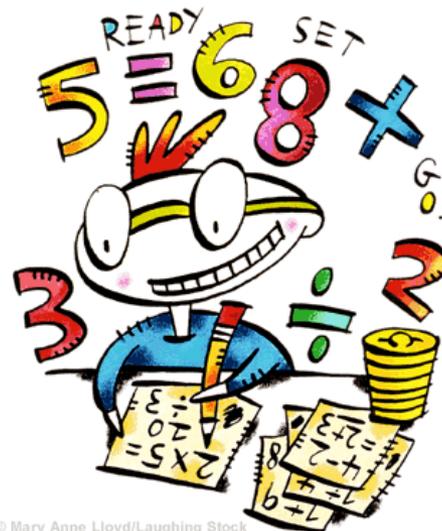
Outline

1. Choose your career: Industry vs. Academia
2. Drug development: It is fascinating to provide answers that matter
3. Career development: What I wish I knew when I started my career



Hedgehog Concept

- What lights your fire ("passion")?
- What could you be best in the world at ("best at")?
- What makes you money ("driving resource")?



Choose a job you love, and you will never have to work a day in your life. - Confucius Quotes



What motivates me?



My Journey: Problems Become Bigger and Bigger

- Elementary school
- High school
- Ph.D.
- Solve a BIG problem and benefit millions of patients
- Patients are waiting for us!

Industry vs. Academia: What Is My Inner Voice?

Do you want to make a difference of the world?

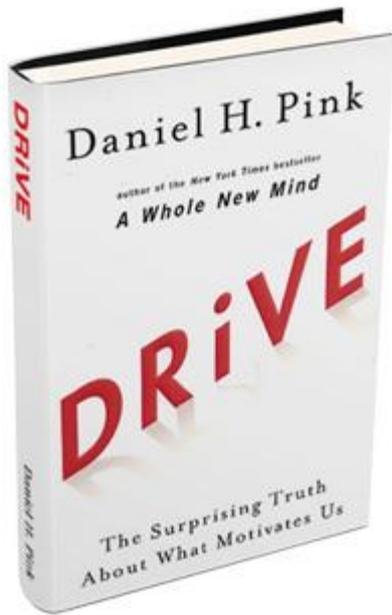


Do you want to publish lots of papers?



Once I understand the mission of my life. Others become secondary.

Industry vs. Academia: Clear Purposes and Multiple Choices



The Surprising Truth About
What motivates us?

- Purpose
- Autonomy
- Mastery

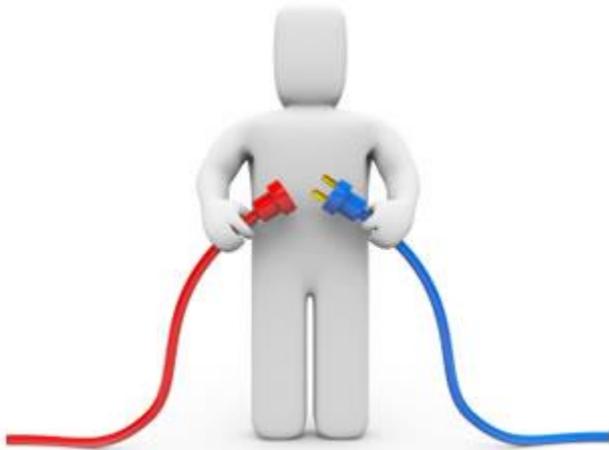
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Drug Development

- Preclinical: develop a drug candidate.
- Phase I: Is this drug safe?
- Phase II: What is the optimal dose?
- Phase III: Show us whether this drug really works.
- Phase IV: Answer important questions after a drug is launched.

Statisticians play a unique role

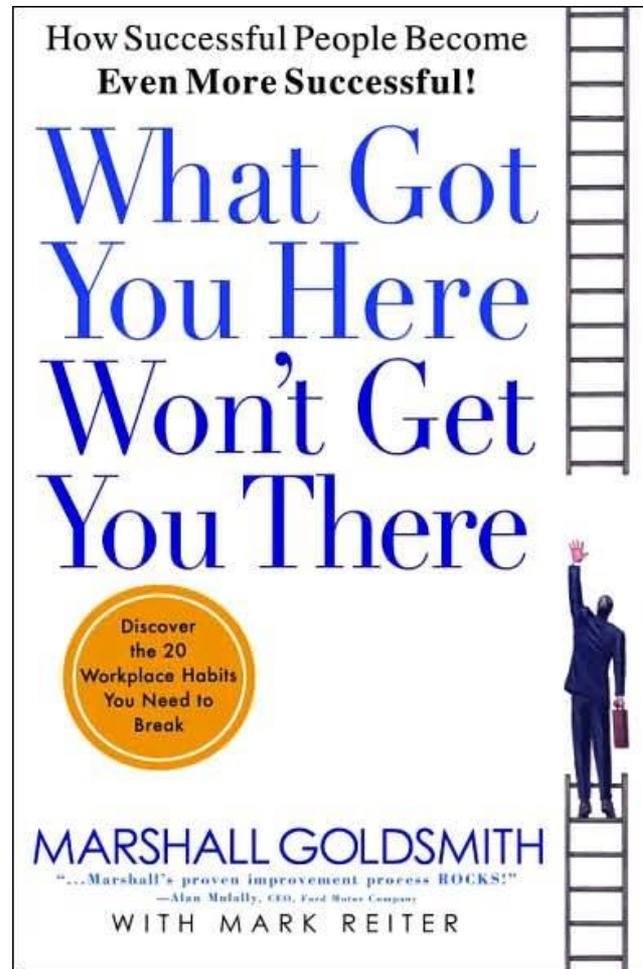


- Generate knowledge by connecting data and questions
- Not only be a statistician but also be a scientist
- 3 levels of statistician

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Admitting ignorance is the first step to gaining knowledge.



Four Powerful Words

- Curiosity: To keep leading, we need to keep learning.
- Passion: Without passion life is nothing.
- Adaptability: It is not the strongest of the species that survives, nor the most intelligent that survives. It is the one that is the most adaptable to change.
- Execution: Vision without execution is hallucination.

One of my favorite quotes.

Nothing in the world can replace persistence. Talent will not; Nothing more common than the unsuccessful man with talent. Genius will not; unrewarded genius is almost a proverb. Education will not; the world is full of educated derelicts. Persistence and Determination are omnipotent.

-- Calvin Coolidge.

Continue to Develop Your Technical Skills

- Keep expanding your horizons and learning new relevant statistical methodology.
- Look for new applications of existing methods.
- Learning basic sciences and related fields to enhance your collaboration.
- Embrace new technology and proactively seek the opportunity to apply it.
- There is always a better solution.

Cultivate Soft Skills

- Employers buy skills, but hire attitude.
- Be attentive and respect to others' opinions.
- Support our peers as much as we like to be supported.
- Create solutions to account for differing perspectives.
- Build and continue to expand our network.
- Be willing to get out of our comfort zone and challenge ourselves.
- Learn to prioritize and keep a balance between our professional and personal lives.

Leverage organization



- Innovation is connecting dots
- From creative thinking to innovation as a process and as a capacity

Career in Pharma Industry

- There are many unmet medical needs which are waiting for us to solve.
- Science is the basis for innovation.
- Many important areas requires quantitative assessment and evidence-based decision.
- The pharmaceutical industry is a great place to build a career for innovative statisticians with an entrepreneur spirit and collaborative attitude.

Thank You!