

MMCi Practical Data Science

lecture 03

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Microsoft Azure Lab

Discussion Questions

1. For Gulshan *et. al.*, what clinical endpoint did they choose, and why is this important? Why do they spend a great deal of time discussing operating points?
2. The former article represents Google at its best when applied to healthcare, Powles & Hodson's paper represents Google at its worst. Is this an overreaction? Let's discuss the balancing act between privacy and the "power" of machine learning.

Flatiron Case Study

What is Flatiron?

- Fast Company anecdote
- Clinical trial matching
- Registry?
- Machine learning?

Flatiron Case Study

What is Flatiron's business model?

Flatiron Case Study

Flatiron, Foundation Med Link Records of 20,000 Cancer Patients



Alex Lash

November 3rd, 2016

@alexlash

@xconomy

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Xconomy New York — [Updated, 11/3/16, 11:43 a.m. See below.] Some of the world's largest non-profit cancer treatment centers **are pooling patient information** to gain new insights into the disease and potentially find new treatments. Now two for-profit companies that trade in cancer data are trying the same thing.

Flatiron Health and Foundation Medicine have begun combining the health information of patients who are in both of their databases—about 20,000 people so far, the firms

Flatiron Case Study

What is Flatiron doing?

- <https://flatiron.com/press/SeriesC>

Flatiron Case Study

**How does this differ from the
DeepMind-NHS business?**