DSI
RETROSPECTIVE

What is a retro?

A retrospective is a cornerstone of Scrum - an Agile methodology.

"A special meeting that takes place at the end of a period of work — usually an iteration or software release.

In a retrospective, a team steps back, examines the way they work, analyzes and identifies ways they can improve." — Esther Derby

Biography

Esther Derby is well known for her work in helping teams grow to new levels of productivity. She helps teams and organizations make the transition to Scrum, and coaches technical people who are making the transition to management. Esther is recognized as one of the world's leaders in retrospectives, and is co-author (with Diana Larsen) of the book *Agile Retrospectives: Making Good Teams Great* (Pragmatic Bookshelf).

Agenda:

‣ Where we are now
‣ Our thoughts on that
‣ Where we're going
‣ What we have left
‣ How might we get there

WHERE WE ARE NOW

We've come along way since day one:

- Command line
- Git
- Python data structures/functions/ classes/iterators/lambas
- Pandas
- Jupyter notebooks
- Matplotlib/Data Viz
- Stats & Hypothesis Testing
- Linear regression
- Loss functions
- Gradient descent
- Bias/Variance
- Regularization
- Cross validation

- HTML/CSS
- Webscraping
- Logistic Regression
- Model hyperparameters & tuning
- Feature importance
- SQL
- Ensembles
- Boosting/Bagging
- Clustering - tSNE/K-Means/DBSCAN/HAC
- NLP
- PCA
- Bayes
- Regex
- SVMs

- Logging
- Unit Testing
- Pickling
- Flask
- Computer Vision
- Neural Nets
- Map/Reduce
- EC2

What our experience tells us:

If you understand each of those concepts well enough to explain them to a five year old $^\wedge$, and can demonstrate effective coding proficiency*, you are well-equipped to get a job as a data scientist at even the top companies.

$^\wedge$ equivalently a recruiter   * cultural fit exclusions apply

WHERE WE'RE GOING

The roadmap:

Remaining Curriculum

- Hadoop
- Spark
- Hive
- Time series
- A/B testing
- Recommendation engines

Job Prep & Additional Activities

- Working data scientist AMAs
- Kaggle challenge
- Portfolio polishing
- Technical Interviews
- Coding Challenges
- Two-day Hack-a-thon

HOW MUCH TIME WE HAVE LEFT

GA

12.5 DAYS*

In class days

GA

Q: BY THE LAST DAY OF THIS COURSE, I WANT TO HAVE ACCOMPLISHED...

Q: HOW MIGHT WE ACCOMPLISH THIS?