Brainstorming and Discussion

Travel Smarter, with Bit Data Power

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Big data "Smartize" our lives, depending on how we utilize it.

This time, we'll focus on how to travel smarter. With dataset of NYC 2016 Taxi Travel Record, you may

Predict

Build a model that predicts the total ride duration of taxi trips in New York City.

Analyse / Visualisation

ex. Where can I take a taxi

What will you get?

- [NYC Taxi Trip Duration](#) (2016)
  Your primary dataset is one released by the NYC Taxi and Limousine Commission. Data schema and description could be found [here](#).

- Evaluation Metric (If you choose to predict duration)

$$\epsilon = \sqrt{\frac{1}{n}\sum_{i=1}^{n}(\log(p_i + 1) - \log(a_i + 1))^2}$$

Where:

ϵ is the RMSLE value (score)

n is the total number of observations in the (public/private) data set,

p_i is your prediction of trip duration, and

a_i is the actual trip duration for i.

$\log(x)$ is the natural logarithm of x

Judging:

Engineer panel of judges will select "BEST TEAM" based on the following:

	Predict	Analyse/Visualize
Completeness	✓	✓
Technical Complexity	✓	✓
Innovation	✓	✓
User Experience		✓
Accuracy	✓	
Impact		✓

Engineer panel of judges will evaluate the project on both academic and engineering perspective. They will then select winners in each aspect accordingly

All hack participants will vote for their favorite project for the "People's Choice" award

Please practice on your presentation after finishing the project, it is very important to showcase your accomplishment

Helpful links…

- cloud.google.com/products

- developers.google.com/appengine

- … /wallet

- … /+

- Ask for help if you're stuck. Seriously.

Useful Google APIs

- [TensorFlow](#)

- [Google Apps Application APIs](#)

- [Google Cloud](#)

- [Google Maps](#) - [Tutorial](#)

- [YouTube](#)

- [Google Analytics](#)

- [Google Wallet](#)

- [Google Places](#)

- Chrome Extensions

Suggested Downloads

- [xCode](#)

- Eclipse

- Android Studio

- Popular editors: Emacs, Vim or Sublime

- Also try jsbin.com or jsfiddle.com for quick CSS/JS tests

- Use GitHub for collaboration