

Data for Good

Challenge Statement – Education in NYC

Case Description:

The New York City school district is looking to make investments that will increase the performance of disadvantaged schools across various success metrics (e.g. test scores, attendance, parent satisfaction). Your team will be asked to select a success metric and then recommend areas for investment where schools can create the greatest benefit for disadvantaged students.

Example

A PowerPoint slideshow that contains the following information:

- The success metric of parent satisfaction, why it was chosen, and why it is important
- An examination of school factors that contribute the most to parent satisfaction (e.g. student-to-teacher ratio, after-school programs)
- Final recommendations where the New York City school district should focus their investments

Data Sets Used:

- [Data Science for Good: PASSNYC](#)
 - List of NYC schools and metrics on student performance, after school programs, and demographics
 - Sourced from NYC Open Data
- [NYC School Survey](#)
 - Survey from 2014 that tracks parents' and students' feelings on their schools learning environment
 - Sourced from NYC Open Data
- Available in your team's Github repo or Jupyter Notebook Server

Deliverables:

- Digital presentation of findings/recommendation (slide deck, dashboard, poster, etc.)
 - Email by 6pm EST to data.for.good@jpmchase.com
- Code / Workbooks

Evaluation Metrics:

- Solutions will be evaluated on the data science methods used, technologies leveraged, and model's accuracy
- Presentations will be evaluated on creative, thoughtful, and meaningful insights, and effective story-telling