The School and After Hours

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Visualisations:

1. Pre-feedback: PISA_2012
2. Final: PISA_2012

Summary:

This series of visualization explores the various questions that can impact a child's growth during the school hours, and once he/she is back from school. We also see that there is a high correlation between the following variables 1. Math Avg. 2. Science Avg. 3. Read Avg. 4. Study Hours.

Design:

The following are the design elements used for the creating the story.

- Bar charts
- Pie charts
- Bubble charts
- Simple scatter plots.

Feedback:

S. No.	Type	Feedback
1	Peer	Change the story line
2	Expert	Use pie chart instead of bubble chart, for the dashboard – "better than men", as there are only two variables of interest (male and female).
3	Peer	Explore more on the student teacher relationship and attitude toward school
4	Expert	Use "Nuriel Stone" and "Seattle Grays" as colour choices
5	Expert	Use side-by-side bar chart for the dashboard "A normal child's life".

Resources:

- PISA http://www.oecd.org/pisa/
- PISA in Practice: Cognitive Activation in Maths How to use it in the classroom https://www.nfer.ac.uk/media/2090/pquk04.pdf

Data files:

1. pisa2012.csv – uncompressed data file
2. cleaned_pisa.csv – wrangled PISA dataset
3. pisadict2012.csv – data dictionary of PISA dataset
4. pisa_wrangle.ipynb – python code used for cleaning the pisa2012.csv dataset.