Strategic Corporate Information Dataset for Data Challenge

List of ideas/questions:

1. Do employers value educational qualifications or skills or both?
2. How can tertiary education deliver better value to the economy?
3. Cash or Property?
4. Which sector is gaining popularity in Singapore?

How do we get the data?

* Search for articles on the success of a company
* Do a survey on the students in Polytechnic going through their last year
* Look at the trends in education figures in Singapore
* Year-to-year fluctuations
* Look at the economic growth in Singapore(GDP)

2. How can tertiary education deliver better value to the economy?

As recently MOE encourages teenagers like us to go for attachment and experience the working life outside rather than staying in school and just get a qualification without being expose more to the outside world.

Questions to ponder:

* Does Singapore have a skills or qualification shortage?

From here, we can find findings on skilled and unskilled labour compared with economic growth in Singapore. (Compare year by year)

* What is the link between education and economic performance?

The basic **human capital** approach is that education improves the overall skills and abilities of the workforce, leading to greater productivity and improved ability to use existing technology, and thus contributing to economic growth.

The **innovation approach** links education to improving the capacity of the economy to develop of new ideas and technologies.

An extension of this is the **knowledge transfer** approach, which sees education as a means of spreading the knowledge needed to apply new ideas and make use of new technologies

* Which matters the more-- Qualification or Skills?

Get the estimated average hourly wage compare with document literacy (school or tertiary certificate diploma holders, degree holders, postgraduates, none)

* What economic value does Singapore get from its qualifications and skills?

Compare tertiary qualifications with gross domestic product per capita (GDP). . GDP per capita provides a general measure of economic performance and wellbeing.

3. Which sector is gaining popularity in Singapore?

With Changes in employment by sector in Singapore dataset we can see which sector is gaining popularity and merge with Strategic information dataset finding the backgrounds of companies and their earnings.

Related-links:

Statistic Singapore:

<http://www.singstat.gov.sg/statistics/browse-by-theme/education-and-literacy>

<http://www.tablebuilder.singstat.gov.sg/publicfacing/mainMenu.action>

https://www.mti.gov.sg/ResearchRoom/Pages/Economic-Survey-of-Singapore-2011.aspx

(Singapore statistics website for data)

1),2)<http://www.singstat.gov.sg/docs/default-source/default-document-library/publications/publications_and_papers/reference/yearbook_2015/excel/topic5.xls>

(Singapore work force skills qualification dataset)

3)<http://www.singstat.gov.sg/docs/default-source/default-document-library/statistics/browse_by_theme/economy/statistical_tables/essa21.xlsx>

(Changes in employment by sector in Singapore dataset)