

@lenguyenthedat in in Image in in Image in in image in ima

~ 2010



2011-2013



2013-2015 ZALORA

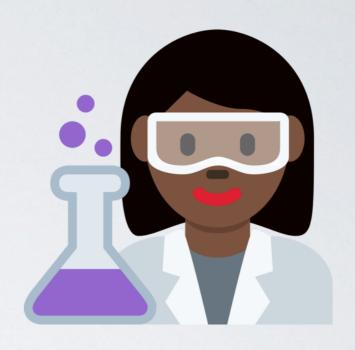
2016-2017 honestbee



2017-NOW UBER





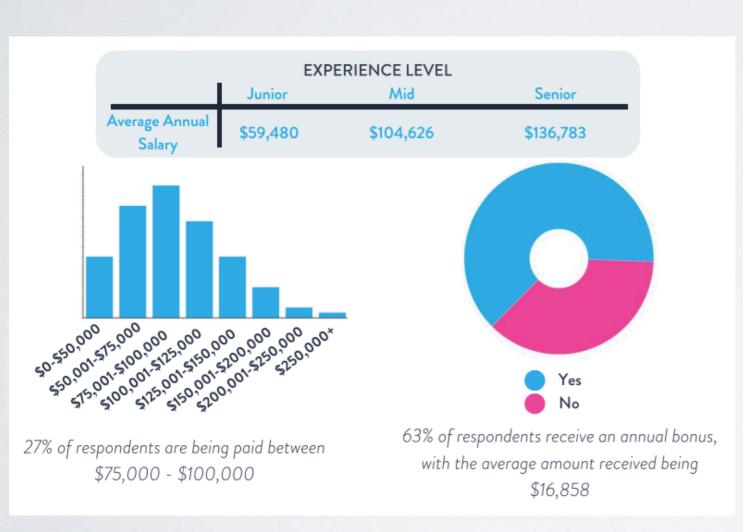


"A Data Scientist is someone who possesses the skill sets to leverage data, delivering business impact"

STEP # I - HIRING YOUR DATA SCIENTISTS



STEP # I - LET'S TAKE A STEP BACK AND TALK NUMBERS



Salary of a data scientist or a data engineer can easily go higher than \$100k, or in some cases, over \$200k a year

\$100k-500k spend on tools, servers, and licenses a year

https://www.techinasia.com/data-scientist-salaries-singapore-revealed

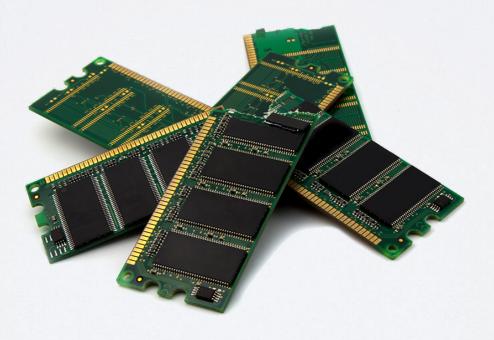


Ballpark figure: \$ I M-2M/year

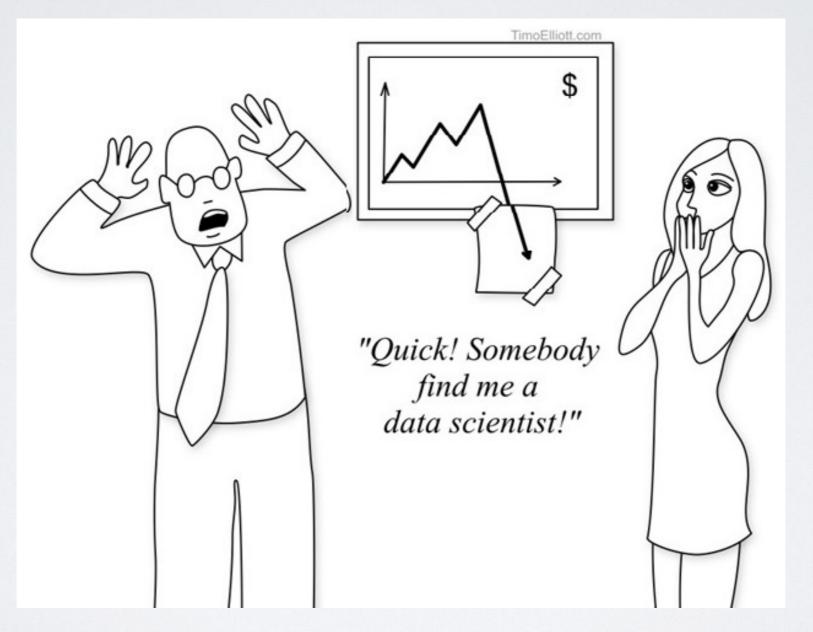


QUESTION # I - DO YOU REALLY NEED DATA SCIENTISTS?

"My data is too big, Excel wouldn't load anymore! I need a data scientist!"



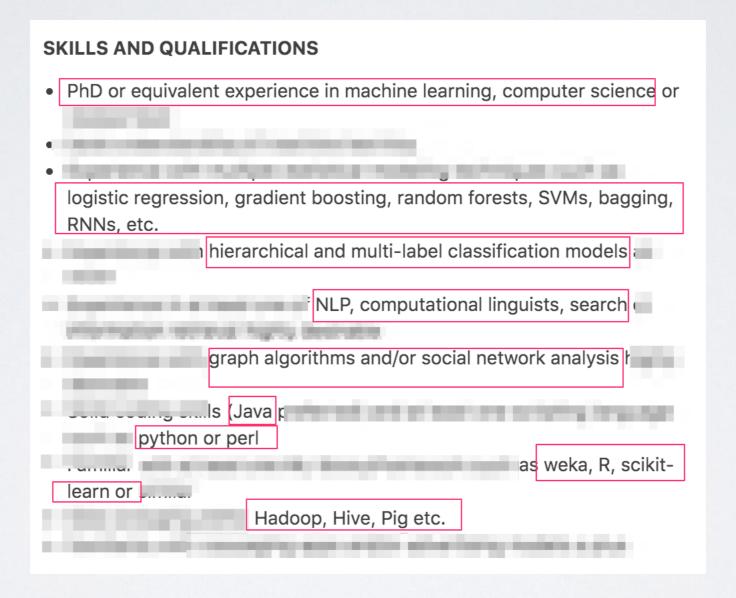
32GB DDR4 RAM = \$400



Sometimes you could hire an external consultant to solve the actual business problem you have



"So you want to hire me as a Data Scientist for Intelligent Virtualized Deep Machine Learning Real-time Big Data in the Cloud for Social Networks? Ok, but if you also want Hadoop, increase my salary by 50%."



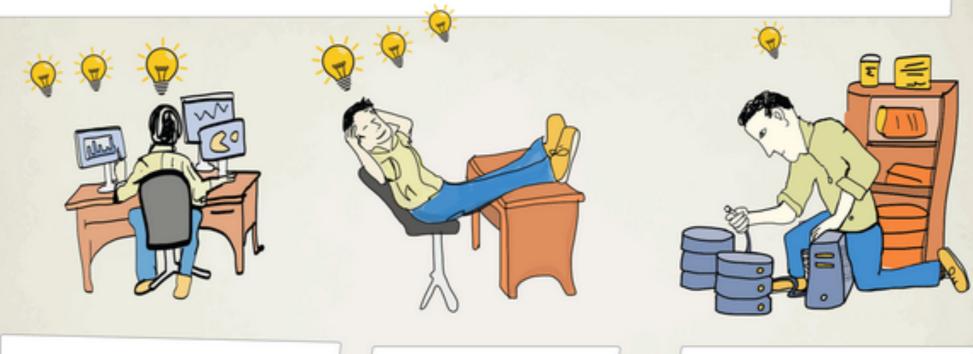
Do you have a clear project, direction, business impact or do you just need some keywords?



QUESTION #2 - DO YOU HAVE YOUR DATA INFRASTRUCTURE READY?

## QUESTION #2 - DO YOU HAVE YOUR DATA INFRASTRUCTURE READY?

#### THE REAL DATA SCIENTISTS OF THE ENTERPRISE



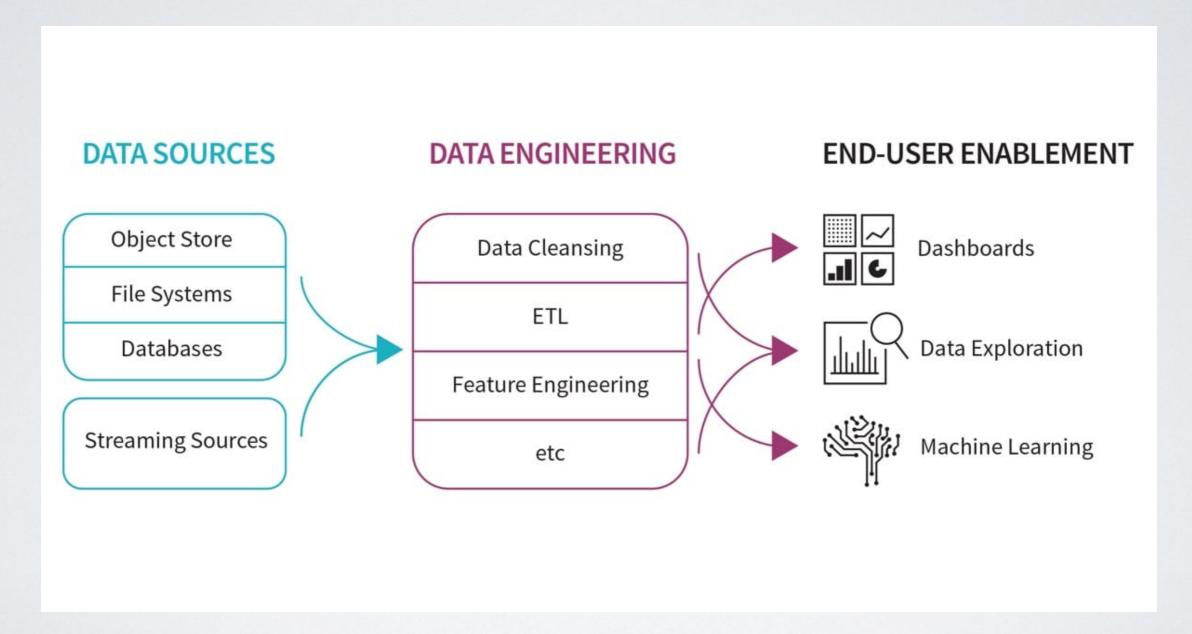
WHAT I COULD BE DOING

WHAT PEOPLE THINK I DO WHAT I ACTUALLY DO



Connect Every Source | Leverage All Data | Liberate Your Ideas

## QUESTION #2 - DO YOU HAVE YOUR DATA INFRASTRUCTURE READY?

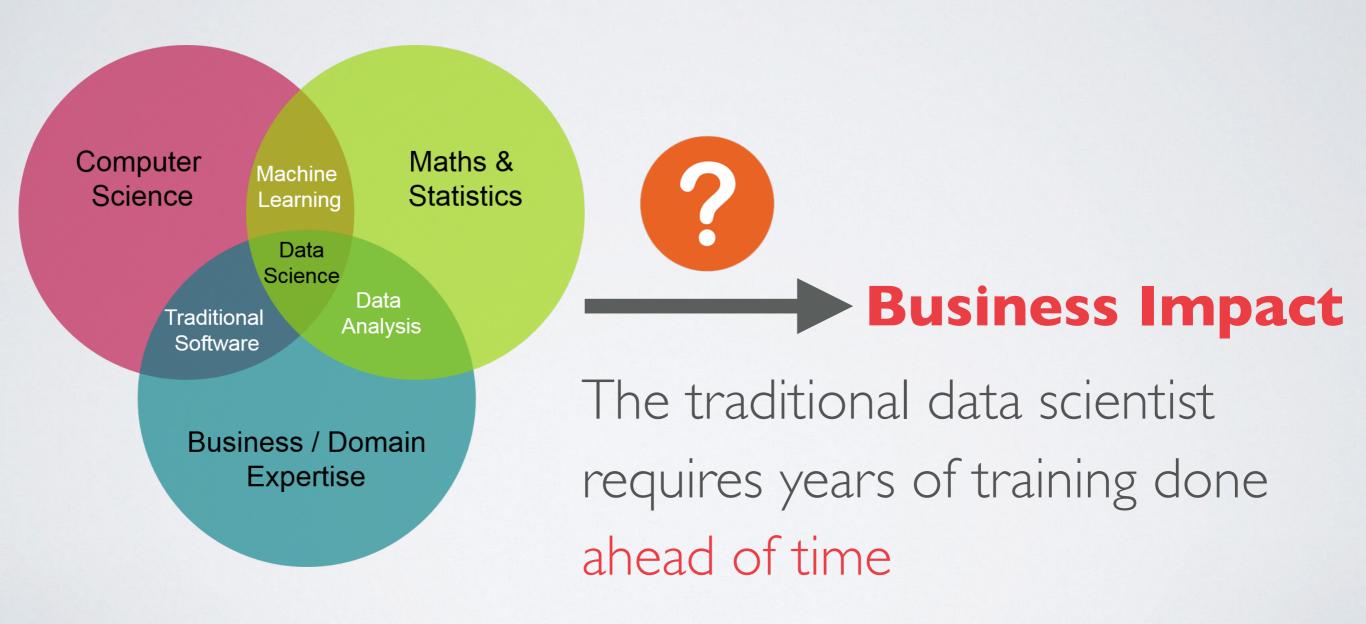


Data Engineers enable Data Scientists to do their jobs more effectively.

#### HIRING YOUR DATA SCIENTISTS

when there is clearly a shortage of "unicorns"

## THE TRADITIONAL APPROACH TO DATA SCIENCE



## WHAT CHANGES INTHE LAST FEW YEARS?



Modern Data
Science toolkits



Practical and realworld experience Modern Data
Science toolkits

Continuous learning ability



Education can then start with the practical knowledge at the same time, or continue after one has already made **business impact** 

## HIRING YOUR DATA SCIENTISTS

Try not to look for people who ticks all the boxes

Focus on demonstration of real business impact and ability to learn new things

### TAKEAWAYS

Your data science capabilities do not start from hiring data scientists

The shortage of unicorn data scientists is real, and how we could emphasize on real-world experience and learning ability instead



THANKYOU!