1. If originally typically is not done. To make sure database is correct? A database administrator ( data engineer).
   1. DBA will take care of your SQL for youse
      1. Table design
      2. Dataware warehousing role
   2. Engineer
      1. Takes care of the pipeline
         1. How the data gets from point a to point b
      2. Has to know the database in order ot know how to put it in the database
2. Automatic feature importance
   1. Gradient boosting stuff
   2. Learn to read API documentation
3. Goes the way of software engineering
   1. Salary range is huge
      1. Depend on skills and ability
   2. In 5 years we would not be scripting this and GUI
      1. Closer to excel than python scripting
   3. Hard to build flexible and good to use
      1. Data hakaiu
   4. Low end data science

Automation

* Issue with it
  + This kind of program, can it beat what the best human can do
* Computer vision in 2012 breakthrough
  + This technique broke record of 12%
  + We’re at human limit at some tasks
* We are not quite there yet.
* This is the true AI problem
  + You aren’t going to get there in 20 years.
* The jump can be huge, it’s not going to happen for all tasks.

Data science is a new data

* Real time fast enough
  + Engineering problem (software development problem)
    - Not necessarily part of data science
* You need to understand software development
* All the problems have a similar problems
  + Expand network as much as possible
    - Doing things in a way you would never thought off
* Go to meetups and

Nothing is new about BI About BIs