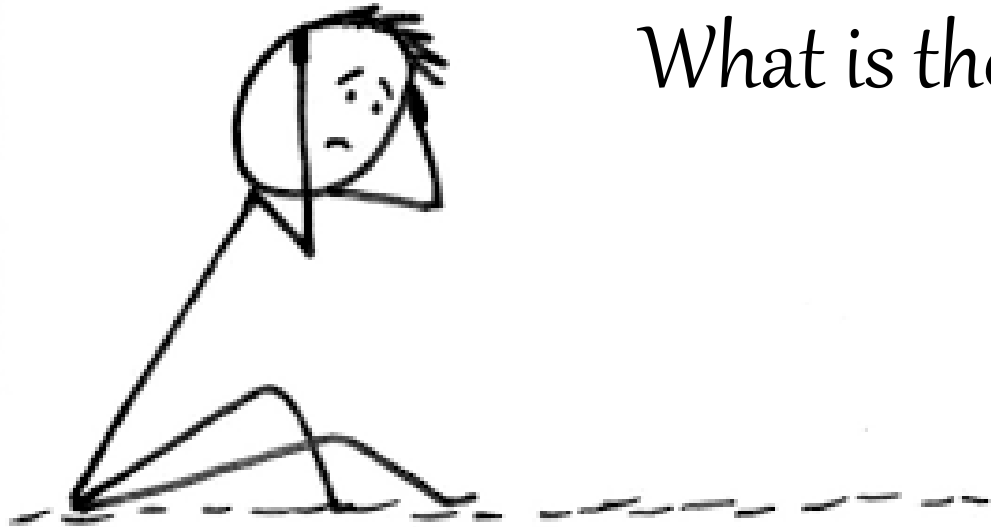




How to identify the problem in research?

Data Science and AI/ML

Dr. Manoj Jayabalan



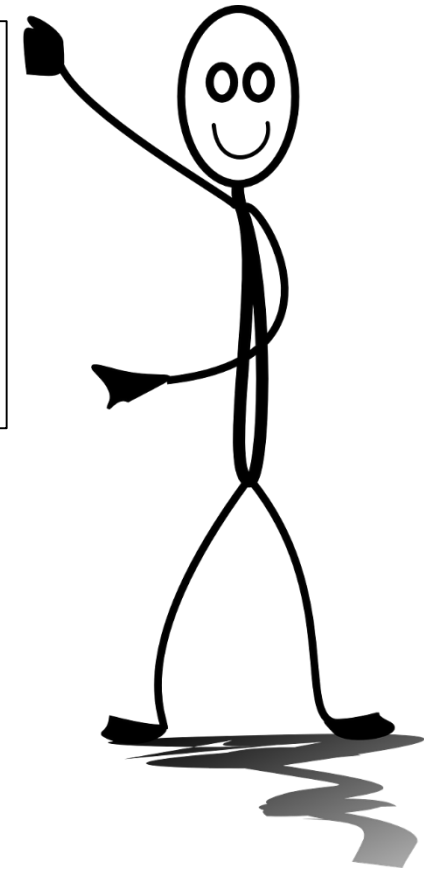
What is the biggest challenge in research?

To identify the problem!

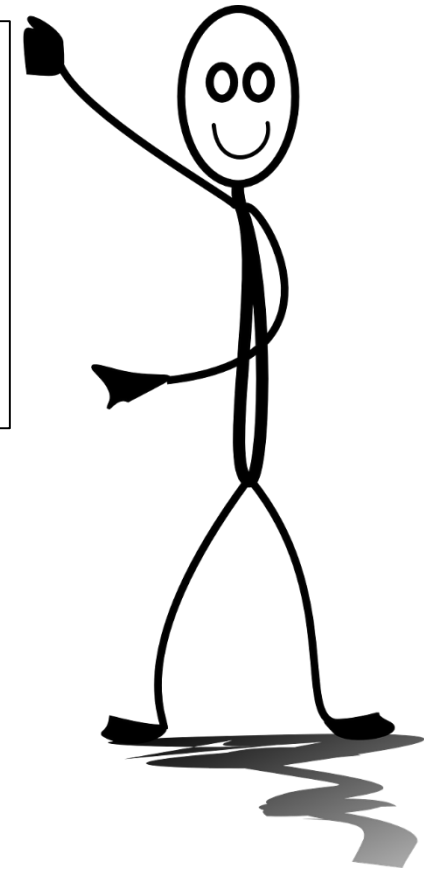


Copyrights: <https://xkcd.com/1838/>

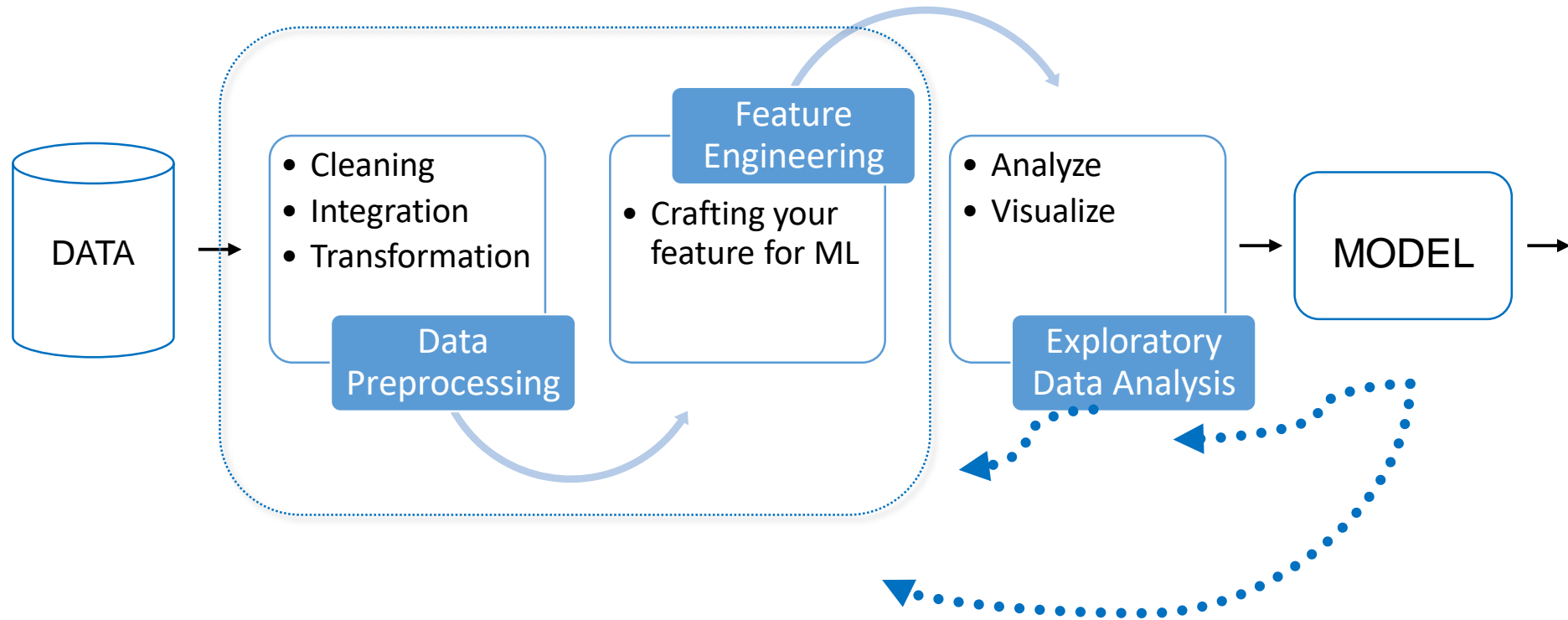
Let me share a simple strategy !



Using Machine Learning Pipeline...



Identifying problem through machine learning pipeline



Exercise

Data

Feature
Extraction

Model

Existing

Studies

Yelp (Opinion Spam)

TF-ID, Bag of Words

Fuzzy logic, Naïve Bayes,
SVM, RNN

Problem: frequency of a word

My research

Yelp (Opinion Spam)

Doc2Vec

RNN

**Objective: Semantic or contextual
meaning**

Q & A

“Every project is an opportunity to learn, to figure out problems and challenges, to invent and reinvent.”

- David Rockwell

Read more at <https://www.brainyquote.com/topics/project-quotes>