



Machine Learning

by Pratik Parmar aka Pintudo





Hello!

I AM Pratik Parmar

And I am here to bore you with Machine Learning.



- Machine Learning for everyone



“

Machine Learning is using many examples to answer questions



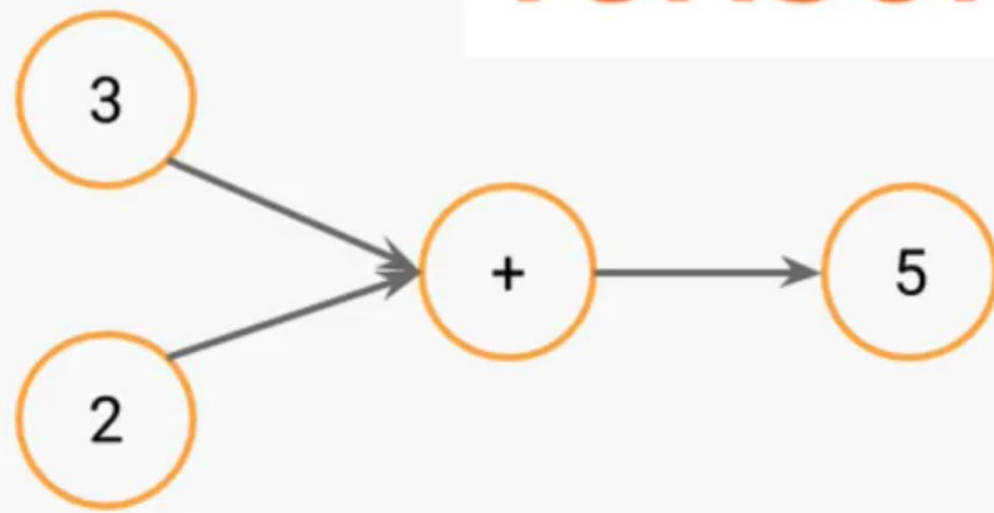
Training

many
examples

Prediction

answer
questions







Machine learning is awesome, except when it forces you to do advanced math. Isn't it?

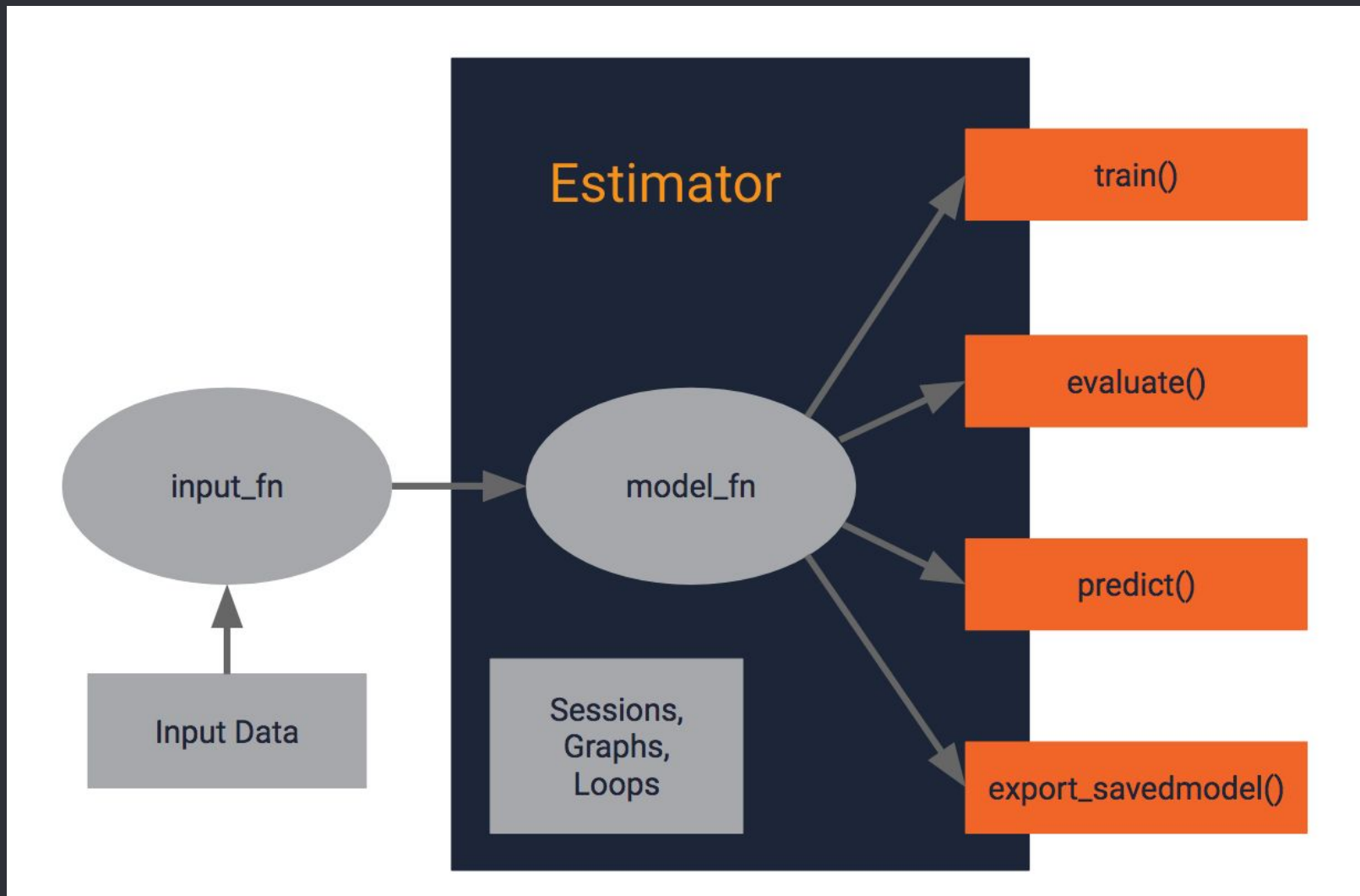




Tensorflow Estimators



Tensorflow Estimator



- App Idea: Food Search engine

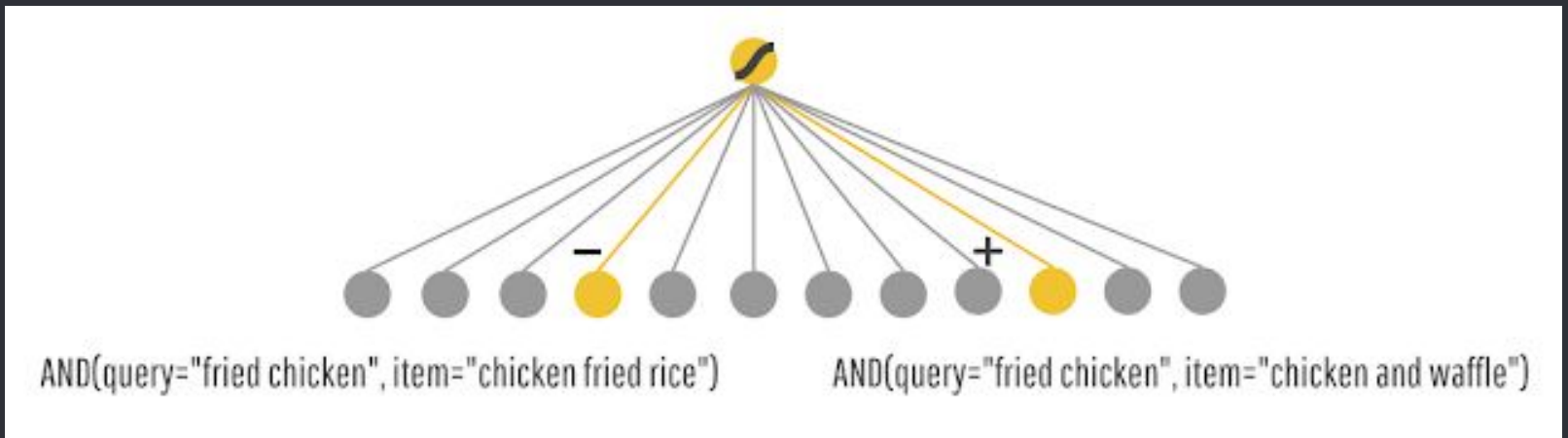


And foodies be like...



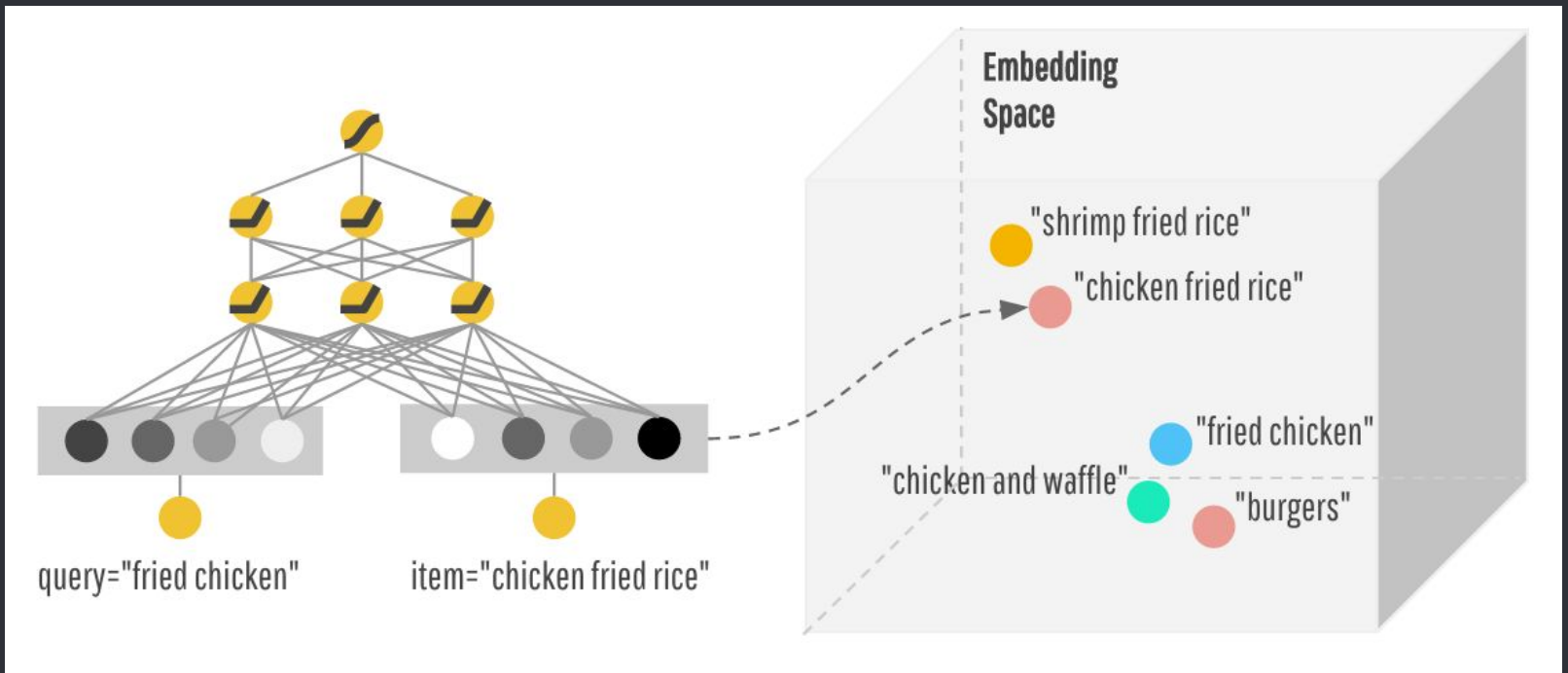
Version 2.0

- Memorize all the things



Version 3.0

- More generalized recommendations for all



- No good deeds goes unpunished



!=





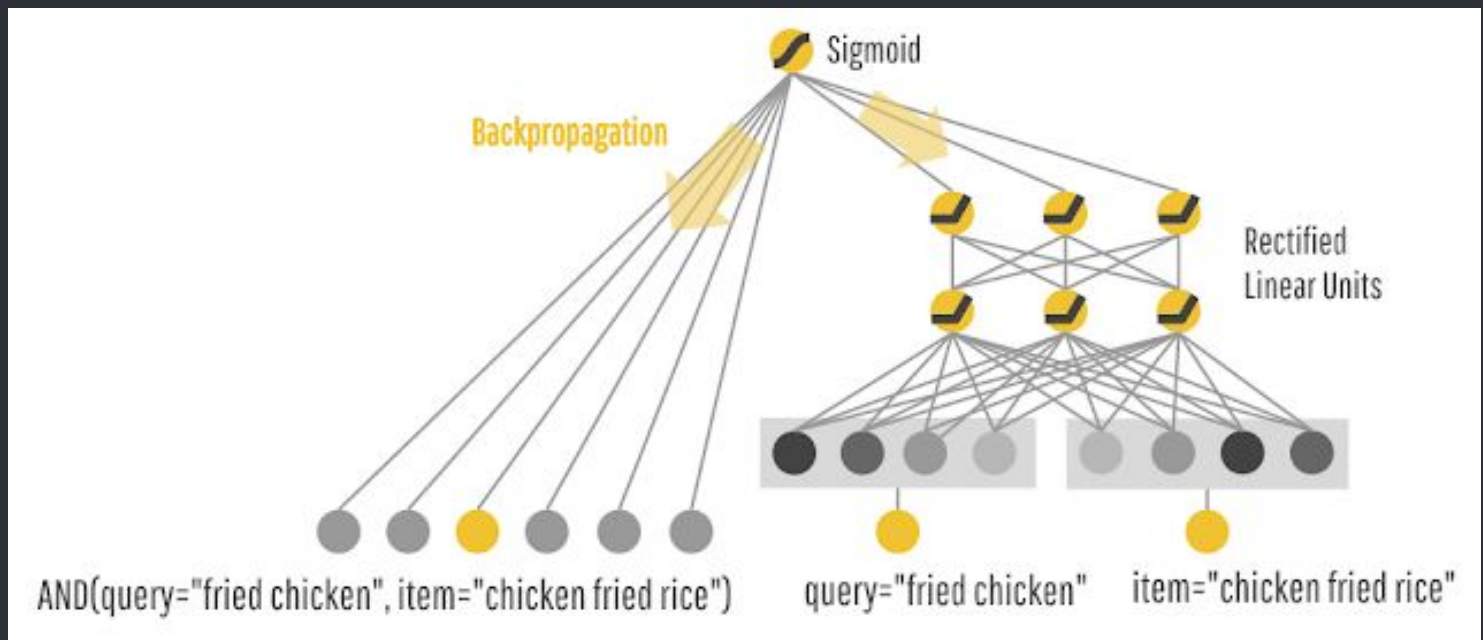
Wide and Deep

Memorization
Relevance

Generalization
Diversity



- Wide and Deep model



- After evaluation

The workflow for building machine learning models often ends at the evaluation stage: you have achieved an acceptable accuracy, and “*ta-da! Mission Accomplished.*”



- Why ???

Maybe, going the extra mile to put your model into production is not always needed. And even when it is, this task is delegated to a system administrator.



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During my course at Coursera I was always asking myself—I have my model, which I can run in Jupyter Notebook and see the result, but what can I do with it? How can other use it?

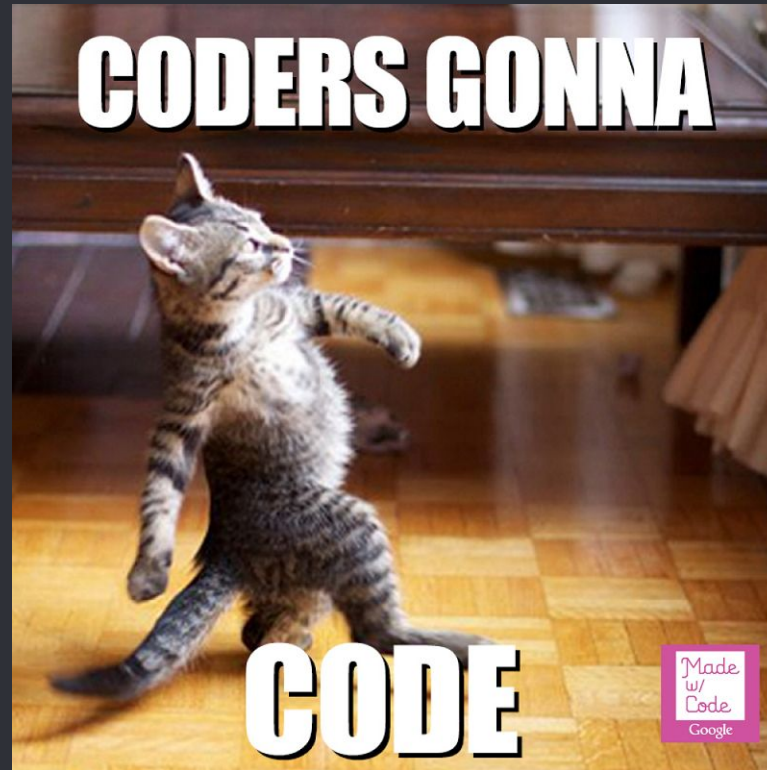




How to deploy Machine Learning models?



- Give some space because



- NO QUESTIONS PLEASE 🏴‍☠️



- Thank you for
bearing me 🐻

