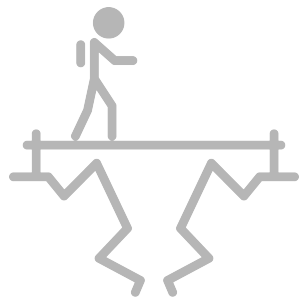


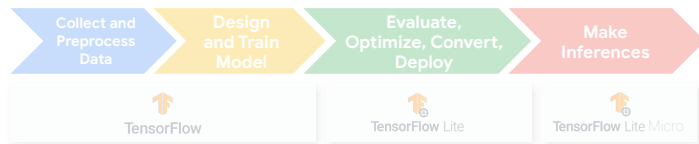
Training KWS in Colab



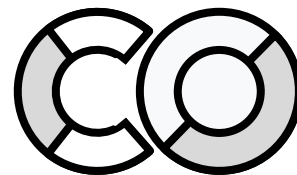
What are we going to learn?



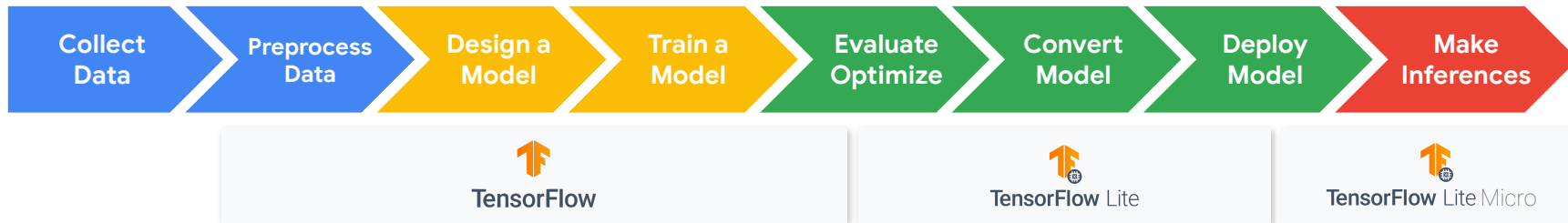
Challenges with
Keyword
Spotting

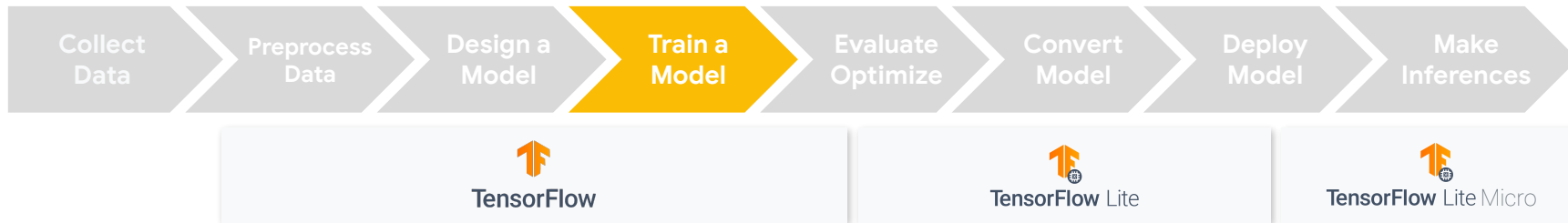


The Keyword
Spotting ML
Pipeline

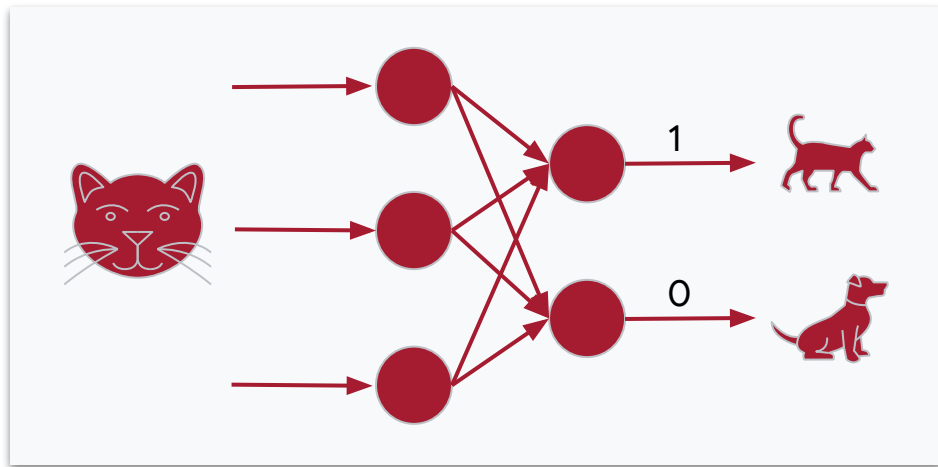
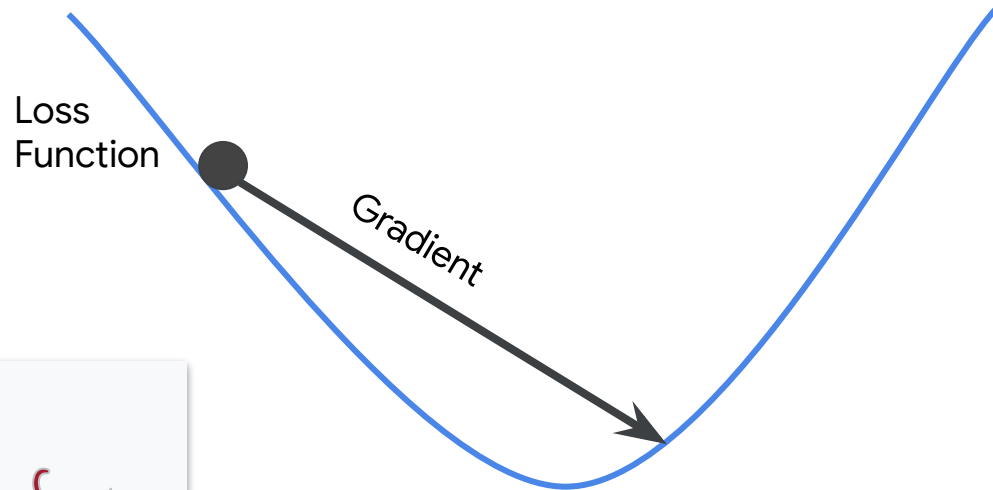


Hands-on training
of a Keyword
Spotting Model

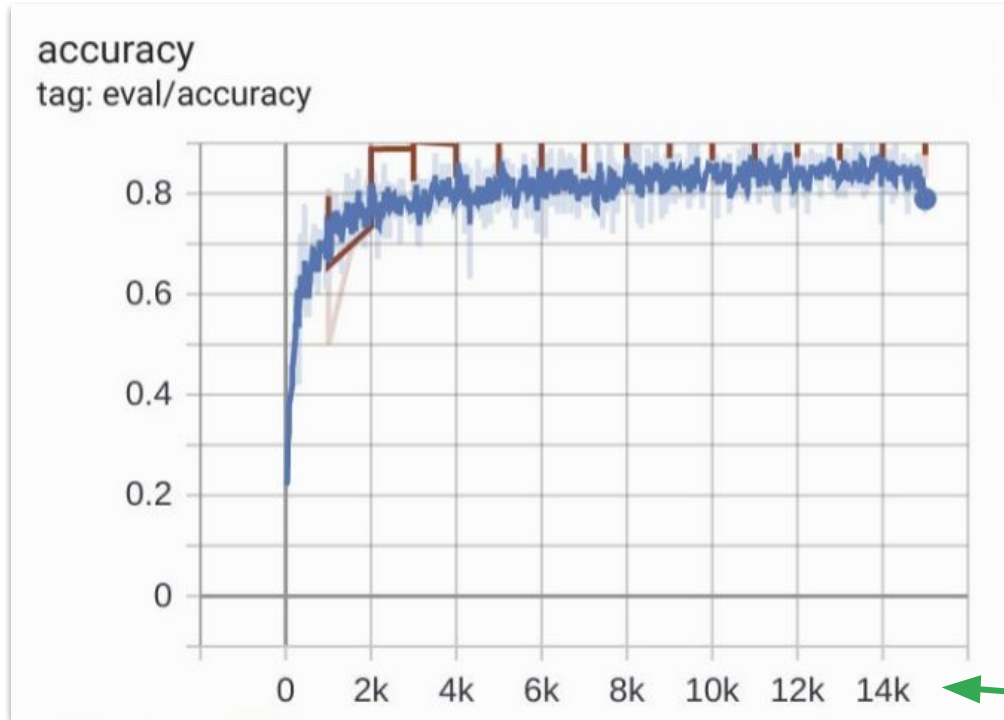




Classification via *Gradient Descent*



Training requires **big data**!



Training Time

It's like brewing a cup of espresso,
it might take a while. ***Take a break.***

On a serious note,
it takes much, much, longer!



Inference

It's like enjoying a *quick* sip of that hot coffee you brewed. ***Sip it fast!***

Machine learning inference is all about the **consumer “experience.”**

