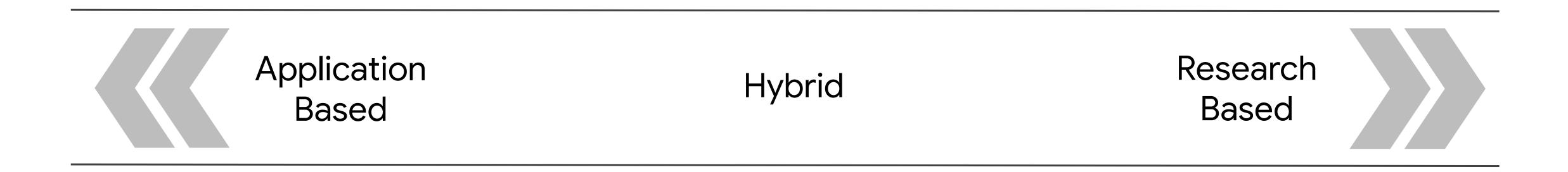


ML Journey for Startups





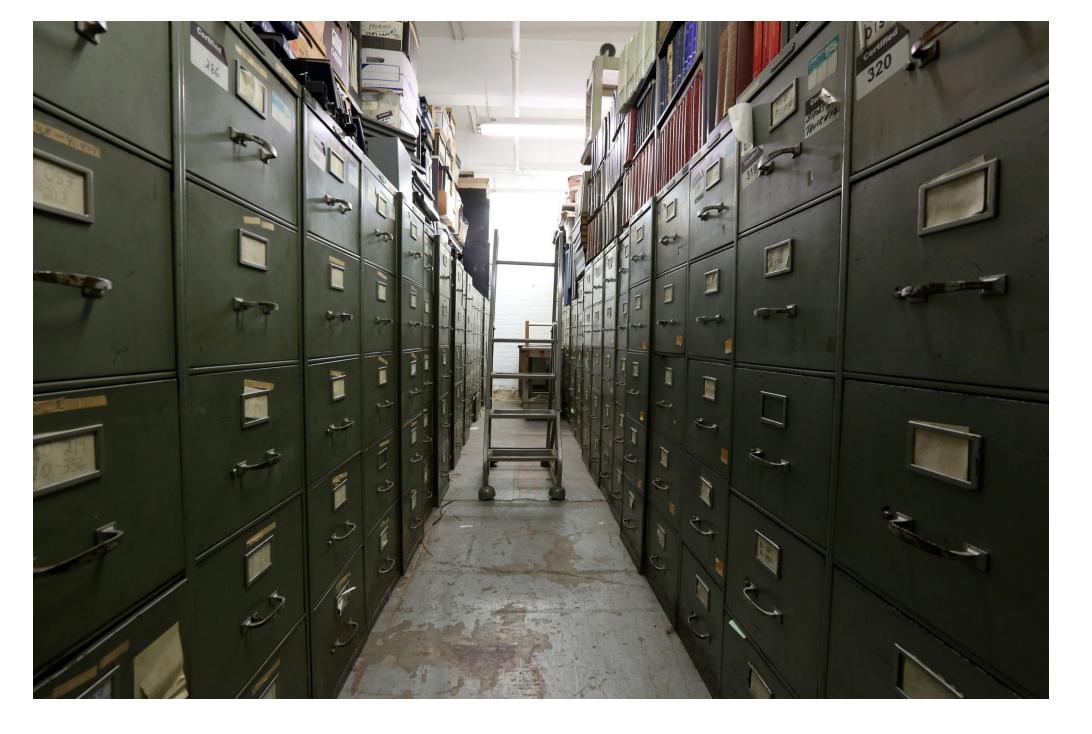
- Startups that are building mobile / web / loT applications
- Machine Learning as supplementary



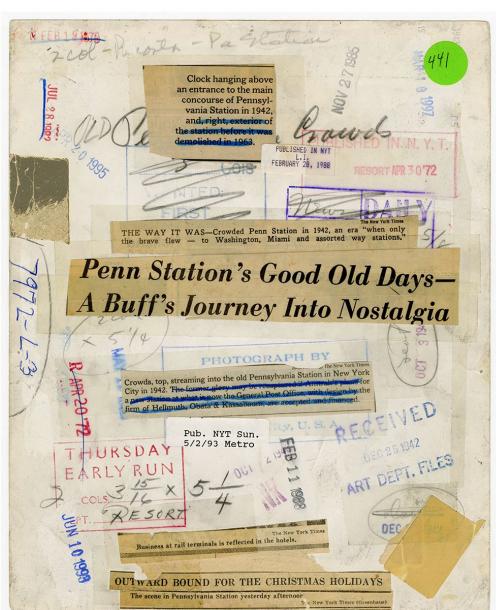
Use Case: New York Times

- Used Google Cloud to digitize their vast photo collection
- Used Cloud Vision API to process, read, and store captured information from the images as metadata information.

https://cloud.google.com/blog/products/ai-machine-learning/how-the-new-y
ork-times-is-using-google-cloud-to-find-untold-stories-in-millions-of-ar
chived-photos





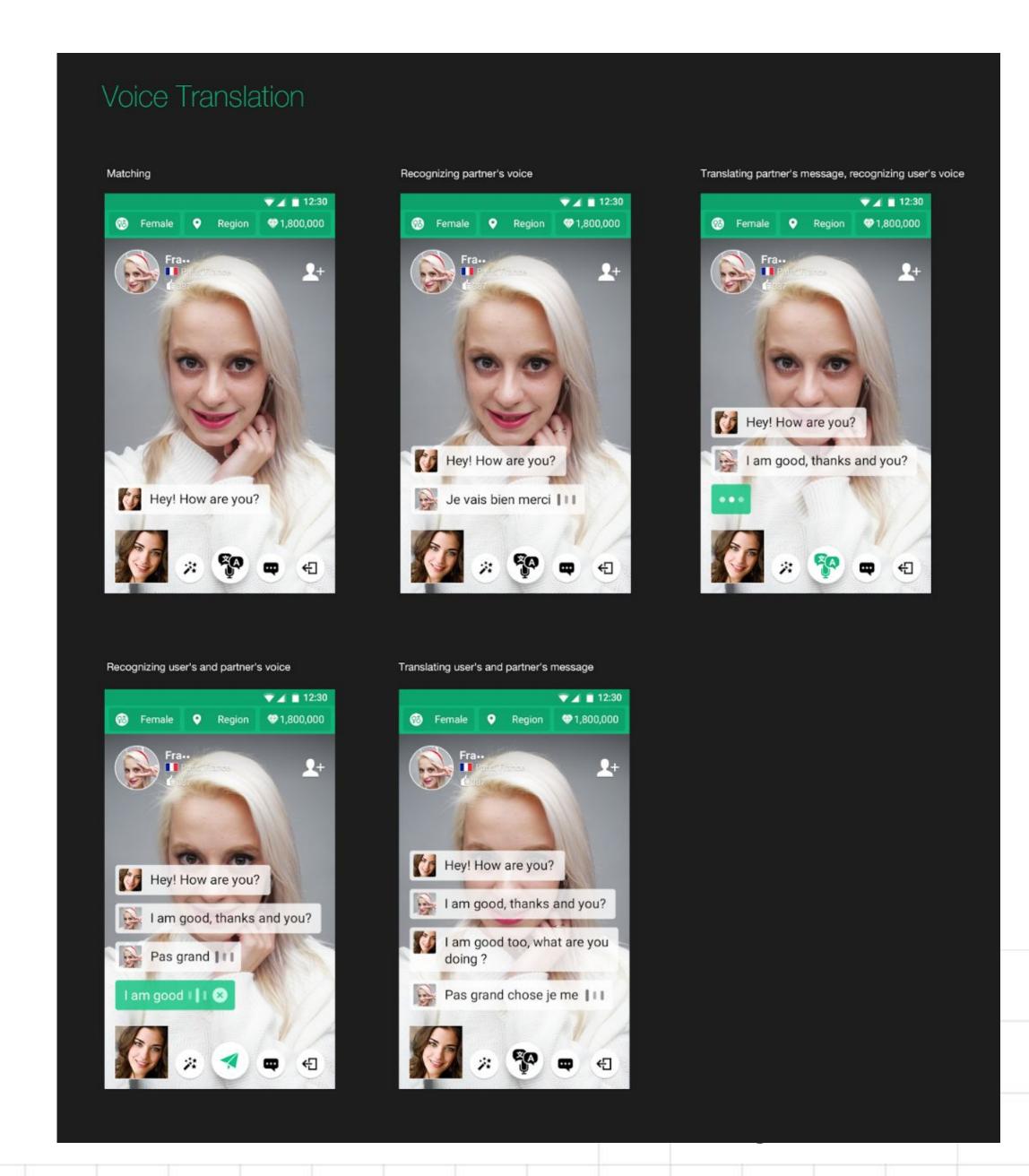




Case Study: HyperConnect

- Azar is a mobile app targeted at connecting people through instant video chats
- Used Cloud Speech API and Cloud Translation API to facilitate easier communication across languages.

https://cloud.google.com/customers/hyperconnect/





Technologies

- Cloud Vision API
- Cloud Natural Language API
- Cloud Speech API
- Cloud Translation API



Research Based

- Startups that are building their own Machine Learning models
- Machine Learning as core



Research Based

Case Study: American Cancer Society

- American Cancer Society has conducted the Cancer Prevention Study-II
- Used Al Platform (previously called Cloud ML Engine) and custom built ML model to help identify patterns digital images breast cancer tissues to improve patient outcomes



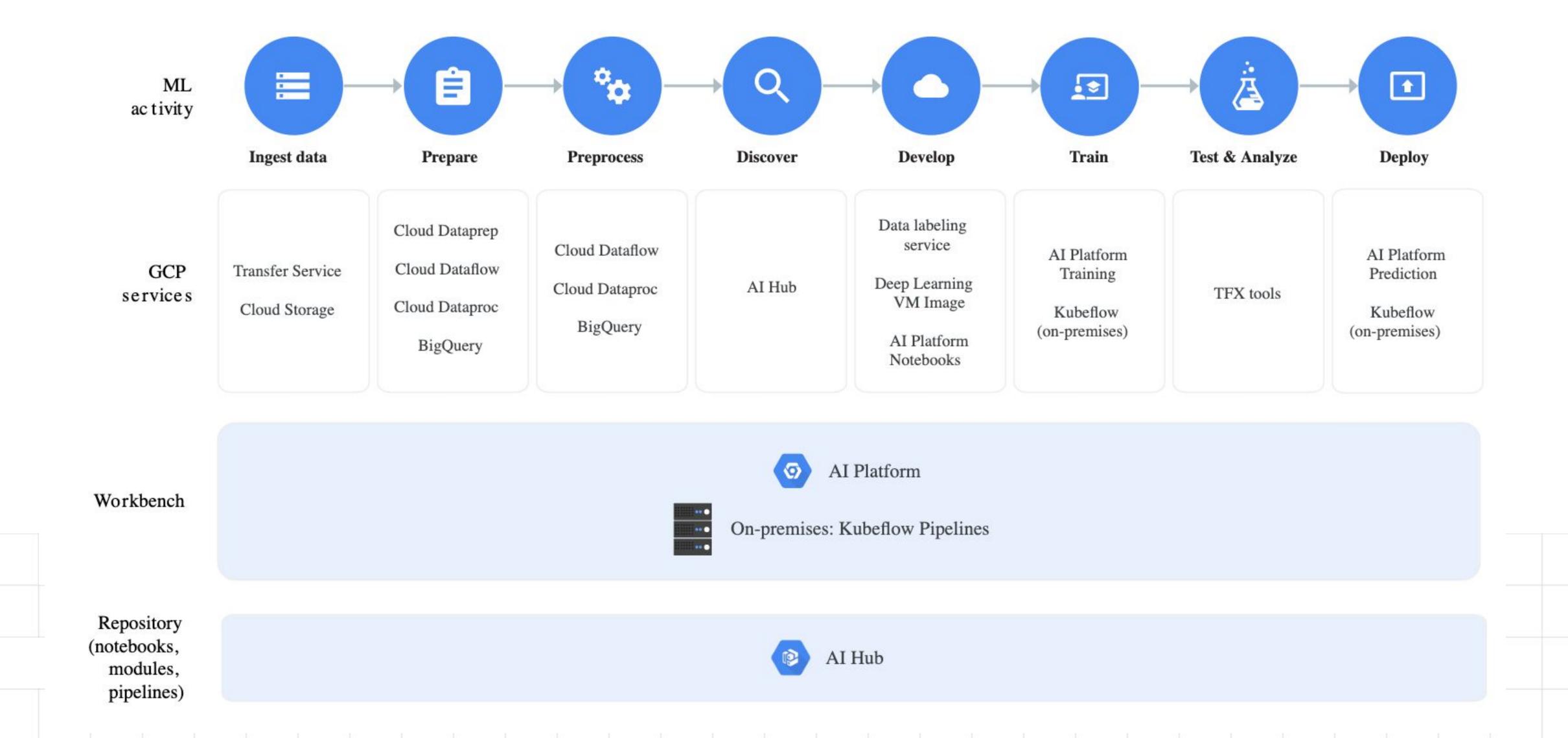


https://cloud.google.com/customers/american-cancer-society/



Google Developers

Research Based



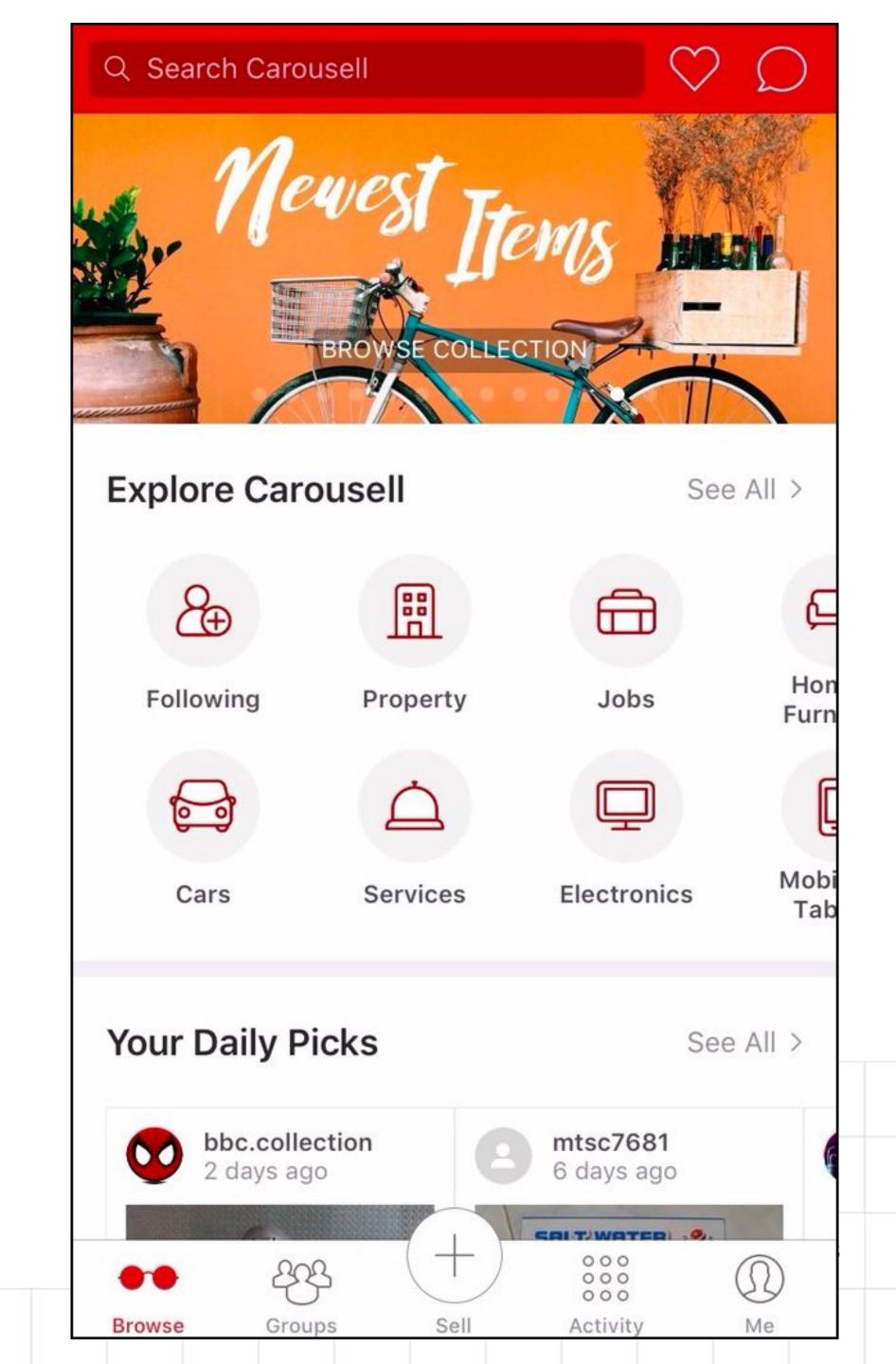
- Startups that want to build their own Machine Learning models and integrate it into their existing applications
- Making Machine Learning as core



Case Study: Carousell

 Used TensorFlow, Al Hub, and KubeFlow Pipelines to provide customers with easy access to alternative products or recommended add-ons

https://medium.com/carousell-insider/tagged/data-science

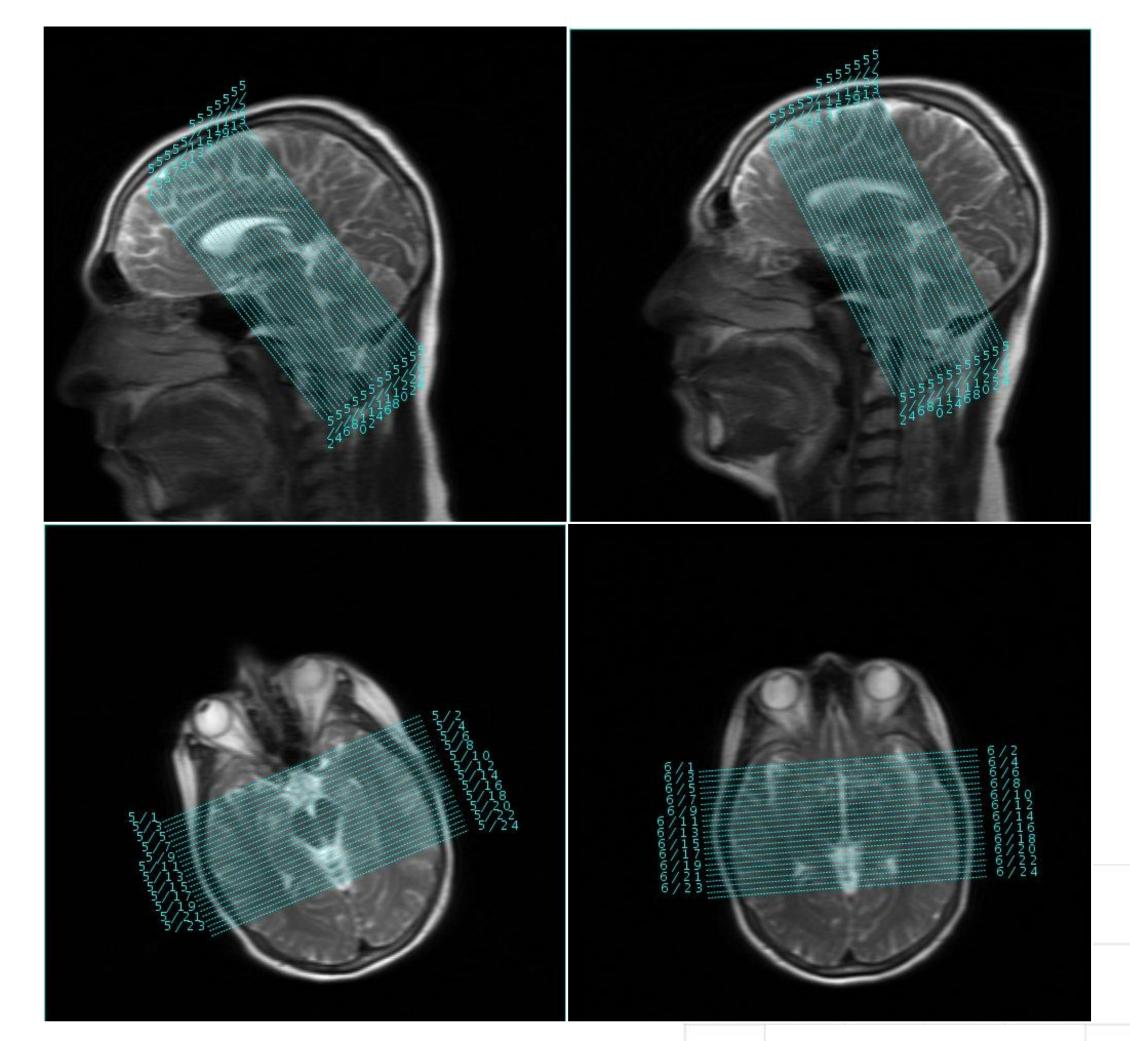




Case Study: GE Healthcare

- Used TensorFlow to develop a deep-learning based framework for intelligent MRI slice placement for several commonly used brain landmarks.
- It's incorporated to their AIRx or Artificial Intelligence Prescription product.

https://medium.com/tensorflow/intelligent-scanning-using-deep-learning-for-mri-36dd620882c4







Technologies

- Cloud AutoML (Vision, NLP, Translation)
- TensorFlow (TFLite, TFJS)
- Edge Connect
- Coral Dev Board



Data and Models

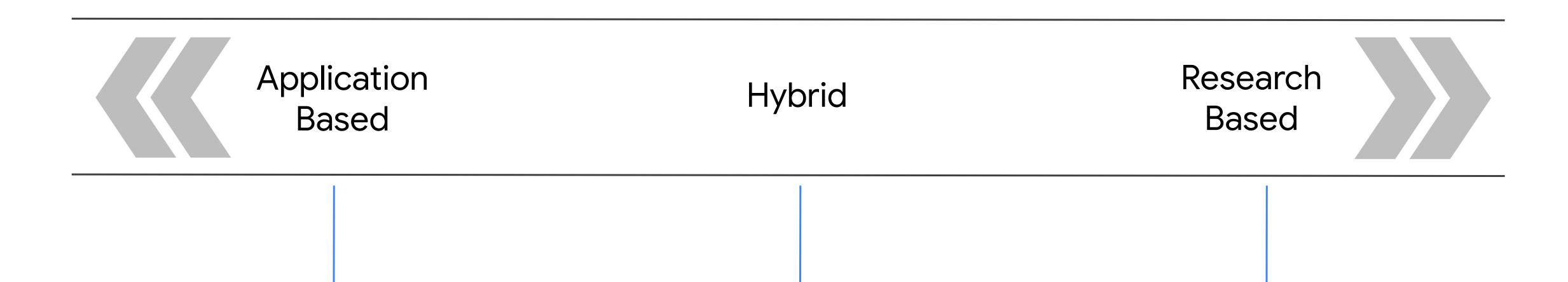
The ML Partnership



Good together!



Data and Models



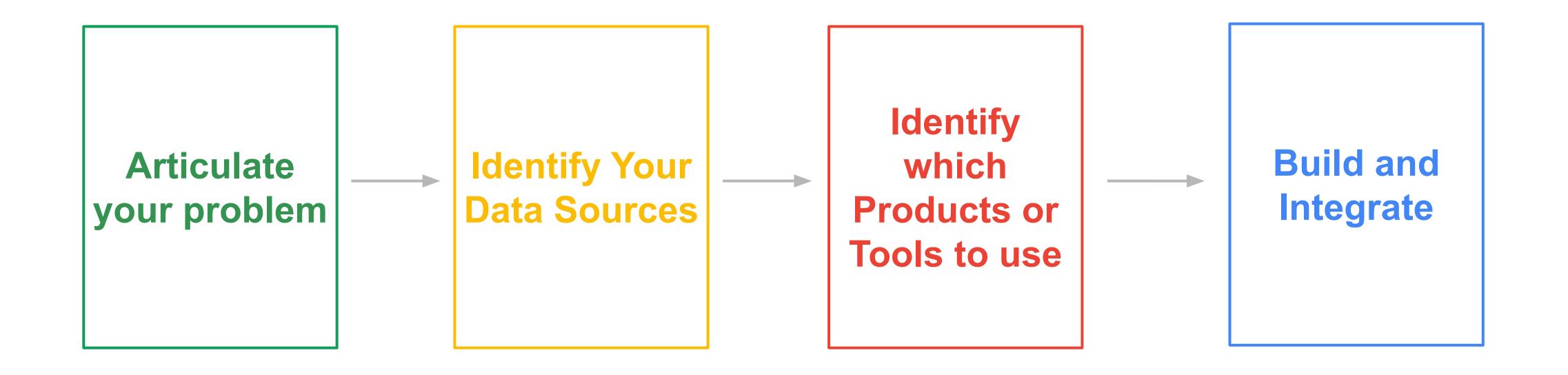
ex. User-generated content, User interactions, collected data from the app

ex. collecting their own data, using collected data to continuously improve ML models



Google Developers

ML Integration Workflow





Google Developers

"Machine Learning changes the way you think about a problem. The focus shifts from a mathematical science to a natural science, running experiments and using statistics, not logic, to analyse its results."

- Peter Norvig, Google Research Director

