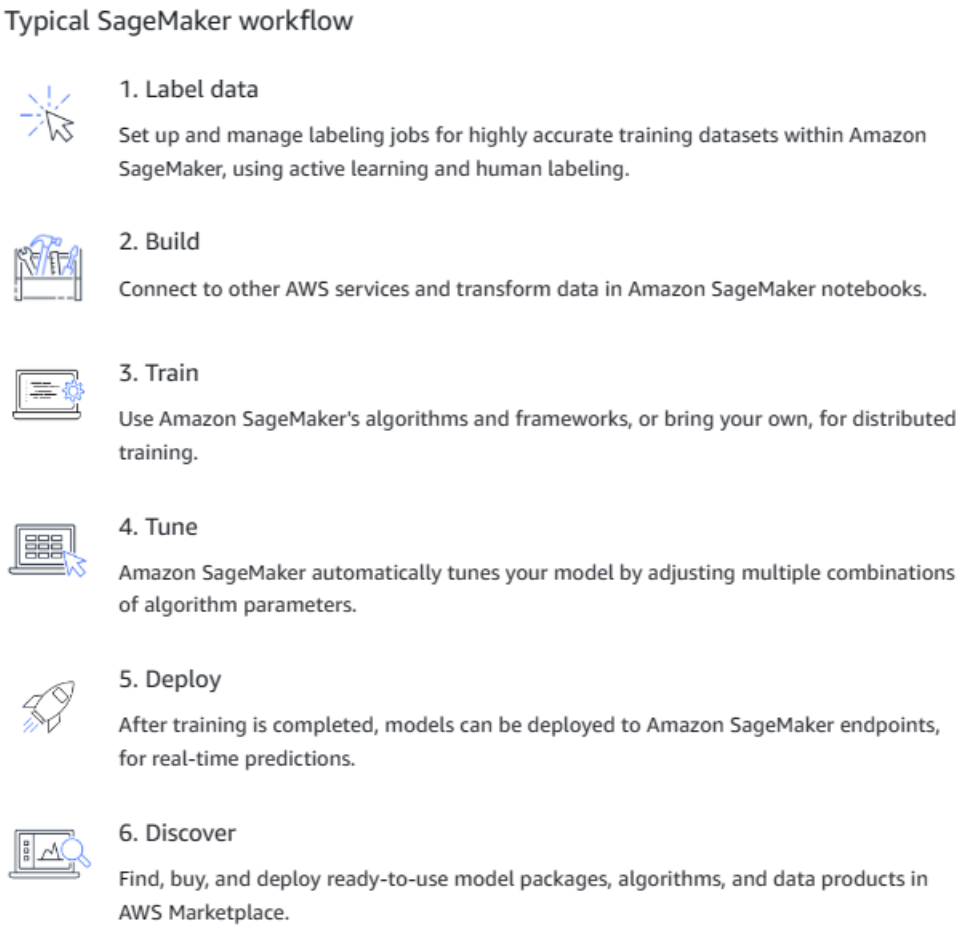
Experiment with machine learning model training and deployment using cloud-based AI services.

Ebuka Obiakor – 11th March 2024

Using AWS Sage Maker

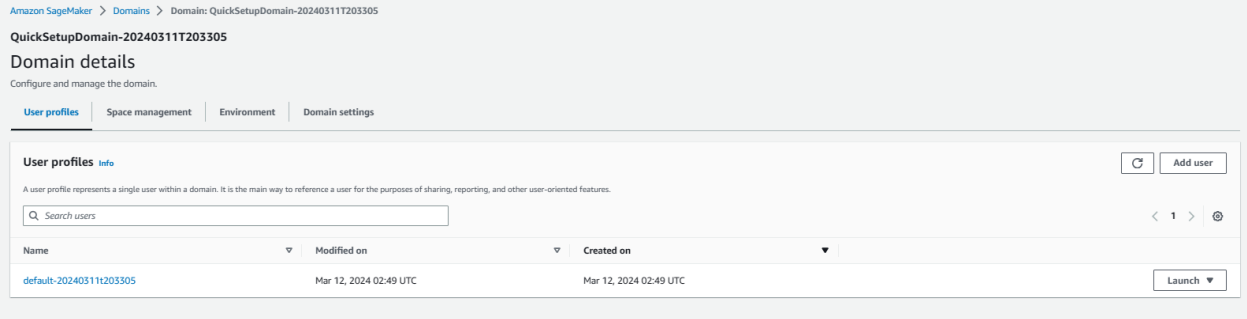
Amazon SageMaker is a fully managed machine learning (ML) service. With SageMaker, data scientists and developers can quickly and confidently build, train, and deploy ML models into a production-ready hosted environment. It provides a UI experience for running ML workflows that makes SageMaker ML tools available across multiple integrated development environments (IDEs).

With SageMaker, you can store and share your data without having to build and manage your own servers. SageMaker provides managed ML algorithms to run efficiently against extremely large data in a distributed environment

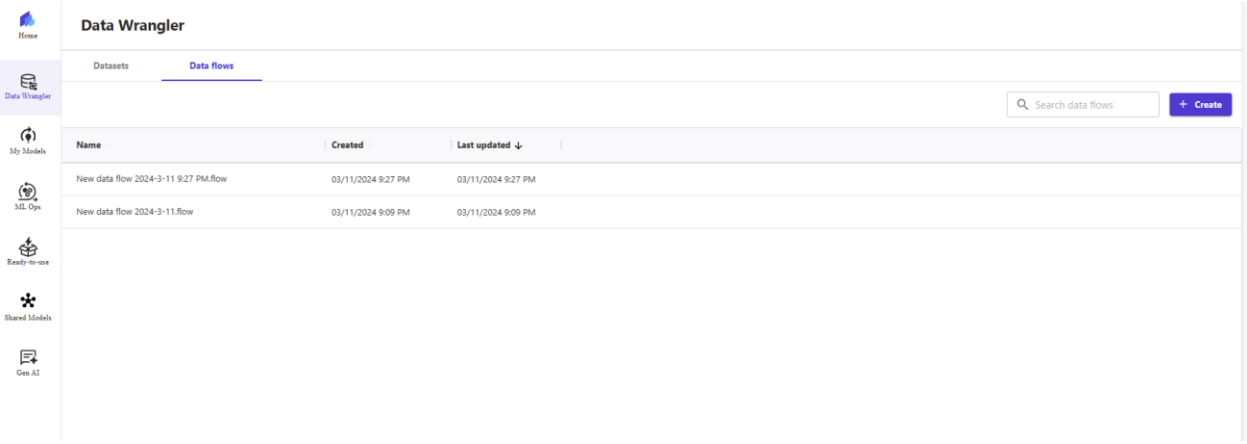


Start by navigating to the AWS Sage Maker.

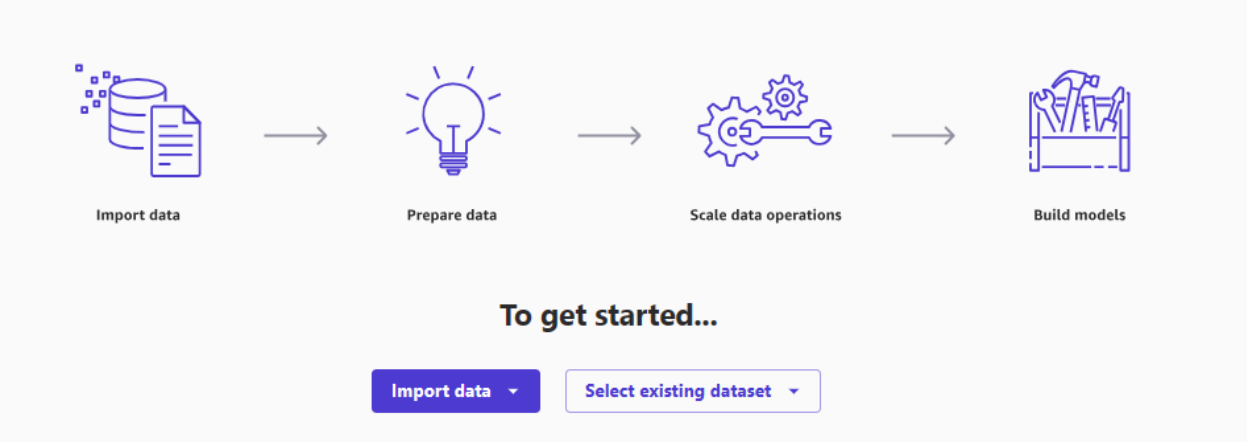
Create a domain and roles for Data Scientist and MLOpsEngineer



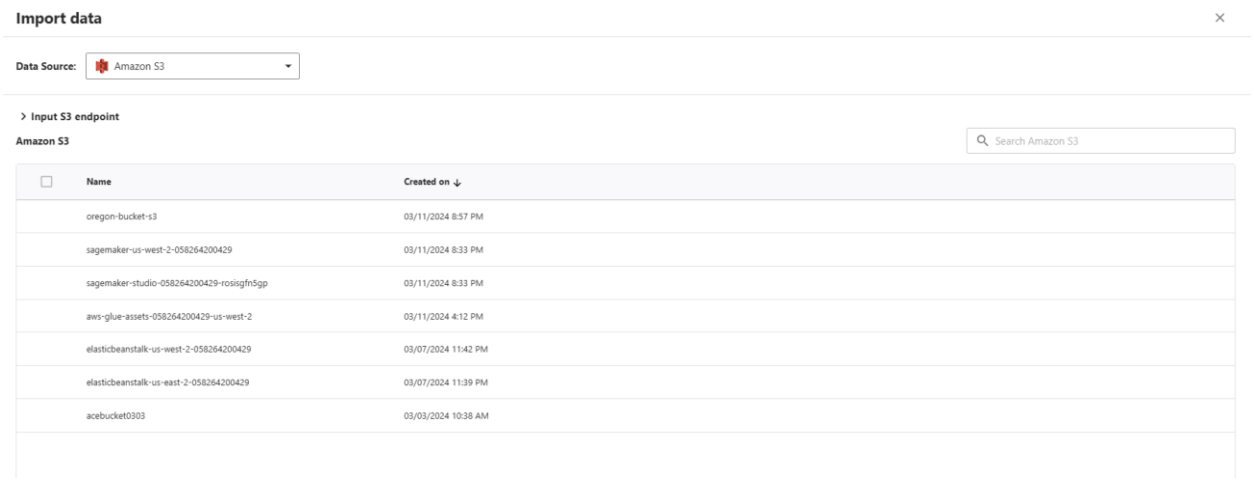
Open Studio labs (Canvas)

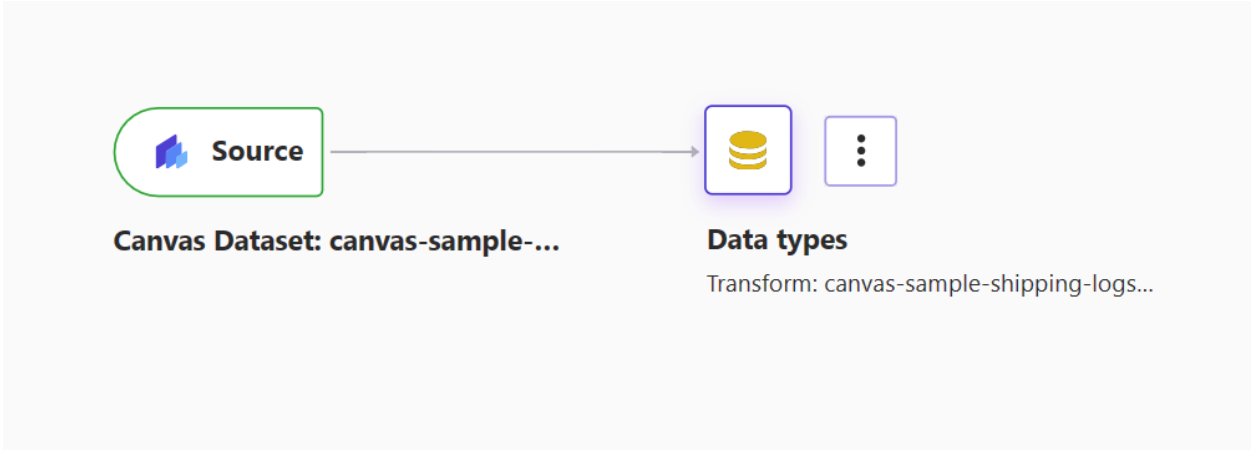


Select Create data flow

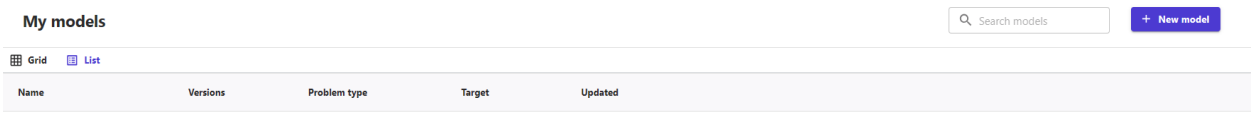


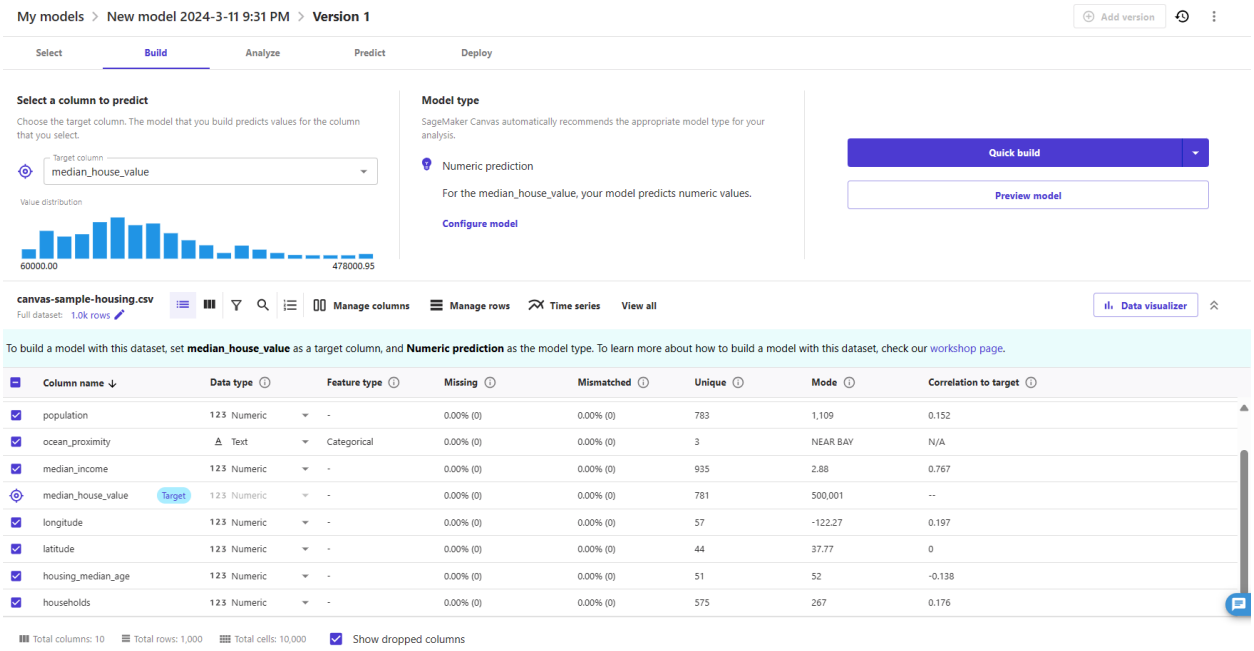
Import data or use local available data



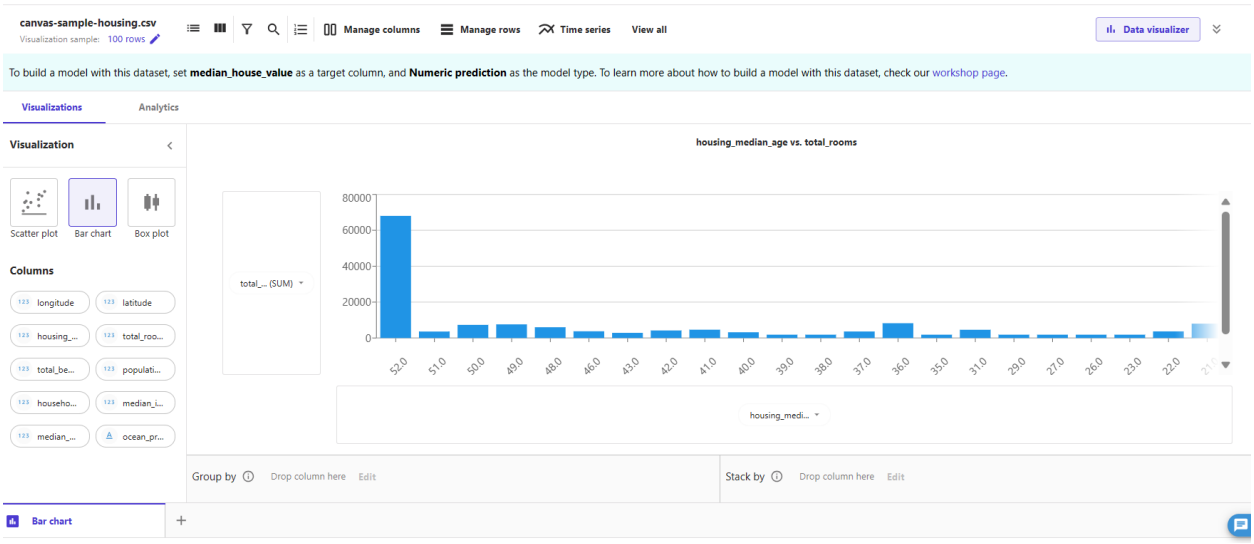


Build a model to use with the data

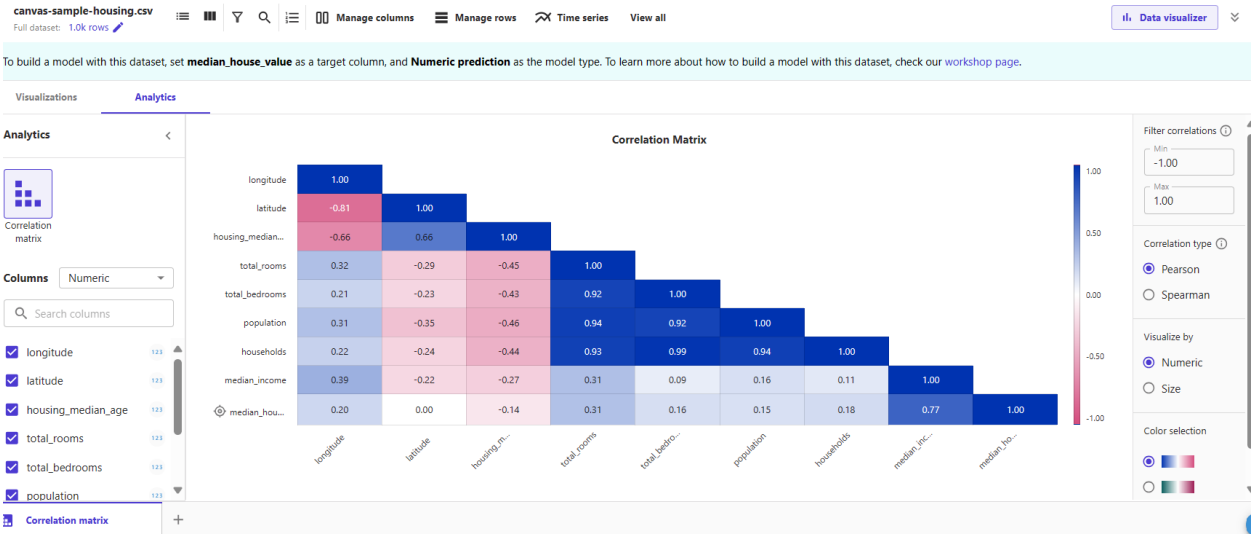




Sample visualizations.

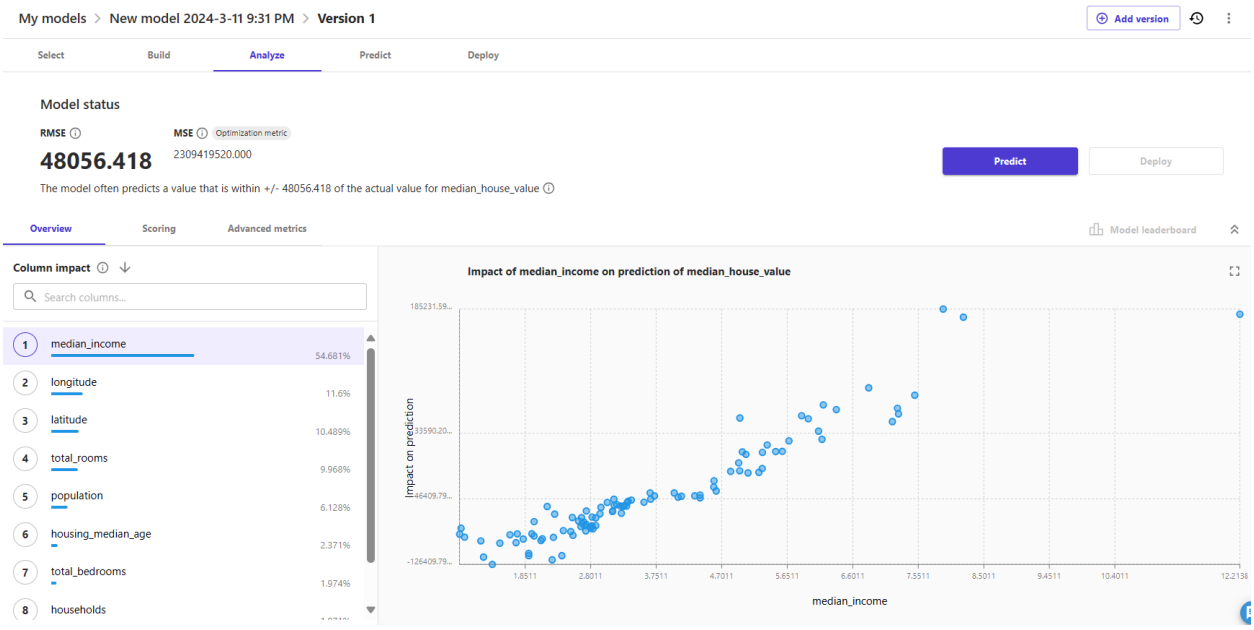


Sample Analytics

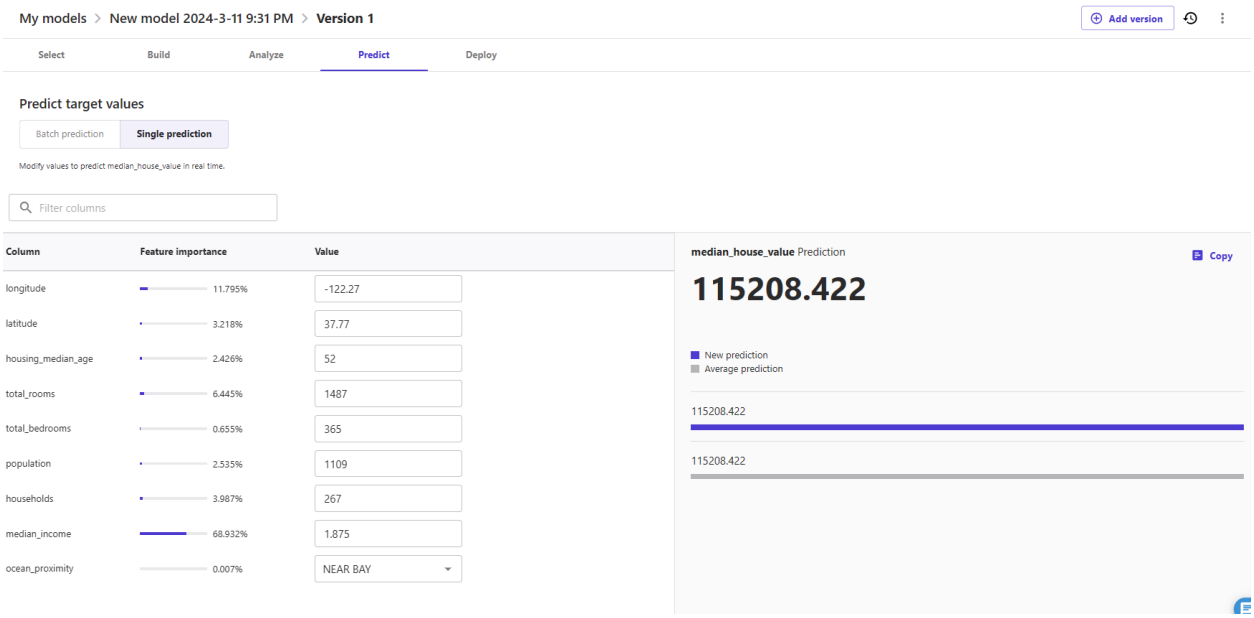


Wait for model to train

Once model is trained, view results



Test prediction results



Iterate and test model.

Deploy when satisfied with results.

References

https://docs.aws.amazon.com/sagemaker/latest/dg/whatis.html