

General Overview

My directed fieldwork is with the Ayo AI, a start-up in Kirkland, who's working hard to develop machine learning models in different applications.

Learning the opportunity to develop a forecasting model using Neural Networks on time series data, I joined the team to develop a model in Python, using Keras. Kenneth is my host supervisor.

Most of what I am doing is applying machine learning to build a neural-network based time series model that performs better than the previous baseline, which used vector autoregression.

The Ayo AI is a newly founded start-up with an ambitious mission in applying the newest innovation in data science field. It's a challenging but exciting experience working and being supported by smartest coworkers.

| Project Task | Performance | Learning Outcomes |
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| Develop a demand forecasting model using Neural Networks on time series data | A neural-network based time series model that performs better than the previous baseline, which used vector autoregression. | Time series analysis and machine learning skills |
| Develop the model in Python, using Keras, in high quality code | <ul style="list-style-type: none">- Weekly log entries that you post in project Github repository- Peer reviews/other feedback will be assigned by the supervisor along the project | Advanced Python programming skills |
| Practice data science ethically and responsibly in Big Data | Collaborate with mentor and colleagues to meet deadlines, requirements effectively | Team work "Think like a data scientist" |