Economic impact research of offshore wind energy using machine learning algorithms

Ashley Bhandari

Mentors: Dr. M. Naumova, Dr. M. Kallupalam Balasubramanian

Rutgers University-New Brunswick
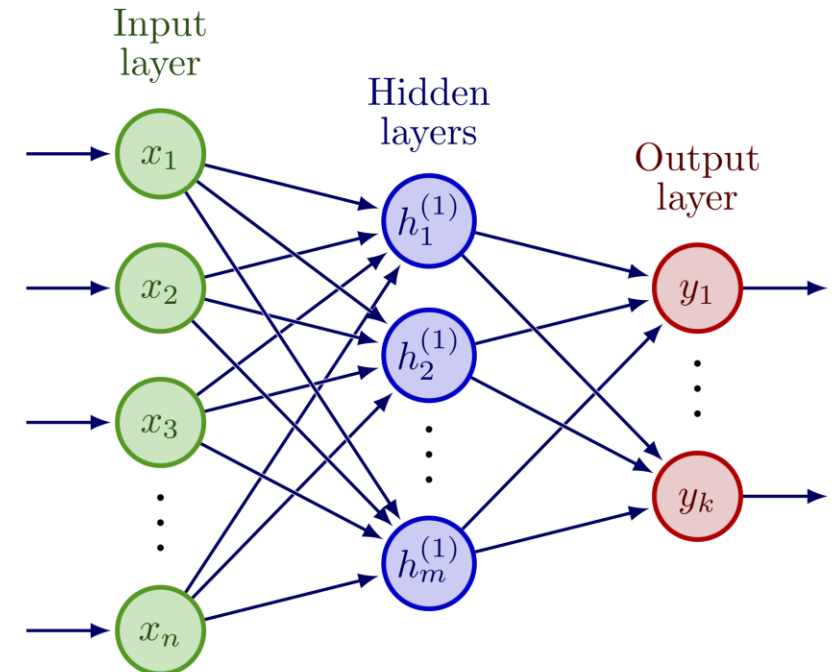
Objective:

Build various prediction models to forecast prices on natural gas, electricity, etc. in European markets based on metrics shared from offshore wind farms in Germany.

Models:

1. Multivariate linear regression model
2. Neural network model

Current Status:

I studied the models with their assumptions and practiced implementations of these models on small datasets in Python programming language. I am working on the full dataset.

https://tex.stackexchange.com/questions/153957/drawing-neural-network-with-tikz