Bootcamp
Bringing ML Models into Production

Lesson 3:
Near real-time

pyladies amsterdam

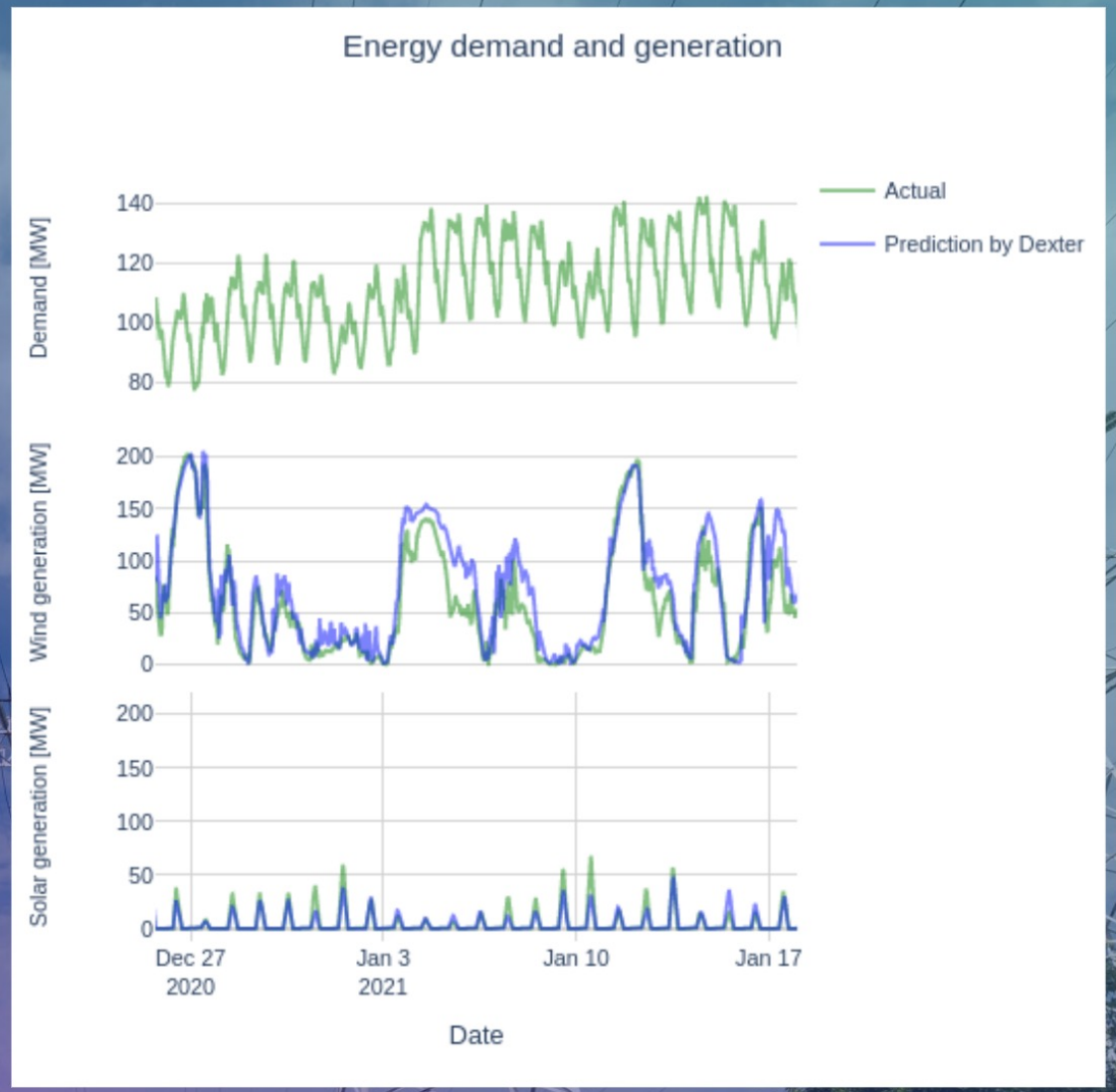
DEXTER

Alyona Galyeva

Agenda

- Recap
- Near real-time inference on Azure
- Exercises & Home assignment

Recap



Dexter-Pyladies energy case

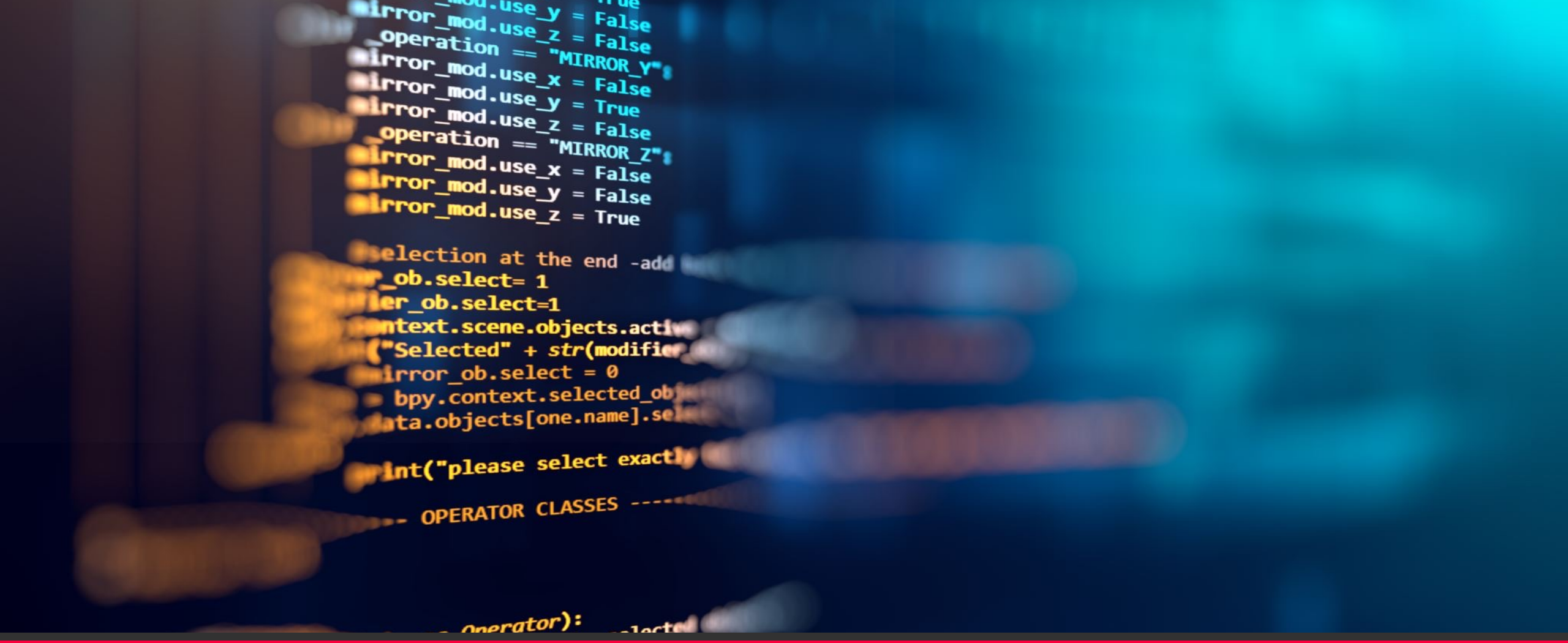
To prevent blackouts energy generation & demand have to be matched:

- The solar & wind forecast you can acquire from an external company
- Can you deploy a energy demand prediction model to solve the problem of Pytown?

DEXTER

Previous lesson

- Data preps, models training, models evaluation and registration
- Batch inference on Azure with Azure Machine Learning Pipeline:
  - provision inference compute
  - prepare score.py and conda inferencing env
  - create, publish and schedule a pipeline



Near real-time inference on Azure

Steps

- Create and deploy a simple Blob triggered Azure Function
- Prerequisites:
  - download sample of data from “batch-data”
  - setup Azurite
- Develop the Blob triggered Azure Function locally with Azurite
- Deploy the Blob triggered Azure Function

Exercises & Home assignment

Exercises & Home assignment – Lesson 3

https://github.com/pyladiesams/bootcamp-bringing-ML-models-into-production-intermediary-jun-aug2021/blob/master/bootcamp/lesson3/lesson3_tasks.md

print(f“{user_name} thanks for watching”)