

Bootcamp

Bringing ML Models into Production

Lesson 3: Near real-time



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Agenda

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

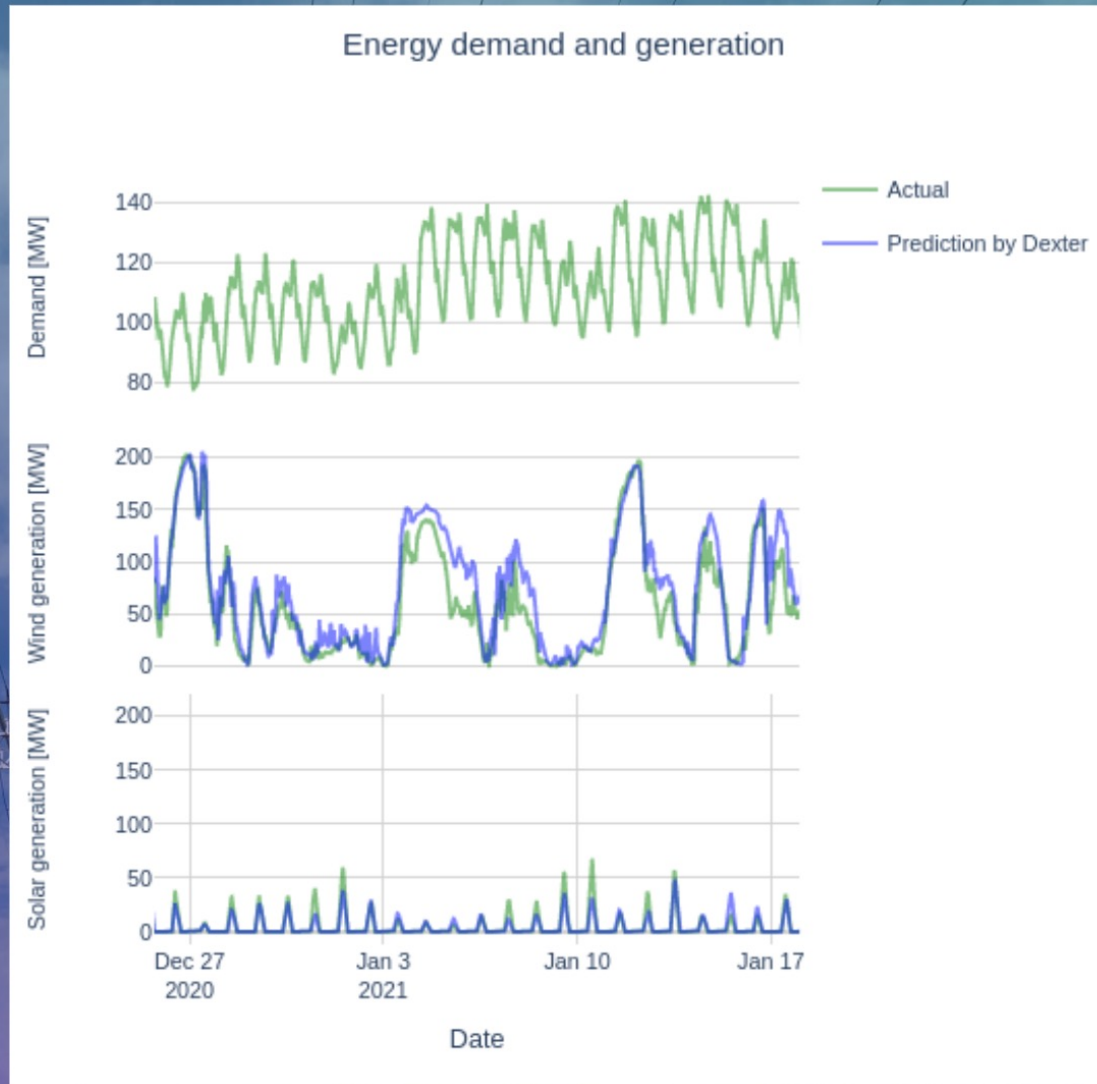


Recap

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?



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

```
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Y":  
mirror_mod.use_x = False  
mirror_mod.use_y = True  
mirror_mod.use_z = False  
operation == "MIRROR_Z":  
mirror_mod.use_x = False  
mirror_mod.use_y = False  
mirror_mod.use_z = True
```

```
#selection at the end -add  
mirror_ob.select= 1  
modifier_ob.select=1  
context.scene.objects.active  
("Selected" + str(modifier_ob.name))  
mirror_ob.select = 0  
= bpy.context.selected_objects  
data.objects[one.name].select  
print("please select exactly one object")
```

```
-- OPERATOR CLASSES -----
```

```
operator):
```

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")
```