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**Data given to Team 17 by Raukkens**

notes.md – main documentation file – project requirements and specifications

* Data
* raw\_uncleaned
* line4.csv – Original, unprocessed sensor readings from production line 4
* line5.csv – Original, unprocessed sensor readings from production line 5
* line4.csv - processed sensor readings from production line 4
* line5.csv - processed sensor readings from production line 5
* machine-learning
* example.html – html copy of example notebook of ran prophet model
* example.ipynb
* notes.md
* requirements.txt
* models
* line4
* prophet\_r01.pkl - prophet\_r08.pkl (8 model files)
* line5
* prophet\_r01.pkl - prophet\_r17.pkl (17 model files

Sensor data files – line4.csv and line5.csv contain the temperature readings for 8 and 17 sensors respectively of active baking machines taken at roughly 30 second intervals.

**SensorReading - Line 4 / line 5.csv**

timestamp: DATETIME - ISO 8601 format with 6-digit microsecond precision and timezone

temperature: FLOAT - Temperature reading in Celsius (°C)

sensor\_id: STRING(4) - Format: 'r01' through 'r17'

production\_line: STRING(5) - Format: 'line4' or 'line5'

**ProphetModel**

model\_id: STRING(20) - Unique identifier for model – (prophet\_r08.pkl)

sensor\_id: STRING(4) - Format: 'r01' through 'r17'

production\_line: STRING(5) - Format: 'line4' or 'line5'

last\_updated: DATETIME - Timestamp of last model update

**User**

employee\_id: STRING(8)

first\_name: VARCHAR(50)

last\_name: VARCHAR(50)

password\_hash: STRING(64) – Hashed password

email: VARCHAR(100)

status: ENUM - Values: 'ACTIVE', 'INACTIVE', 'PENDING'

contact\_number: STRING(15)

created\_by: STRING(8) - EmployeeID of approving admin

dark\_mode: BOOLEAN - True or false

access\_level: ENUM - Values: 'OPERATOR', 'ADMIN'

