

Developing a Flight Delay Prediction Model using Machine Learning

TEAM LEADER : JAYSRI S

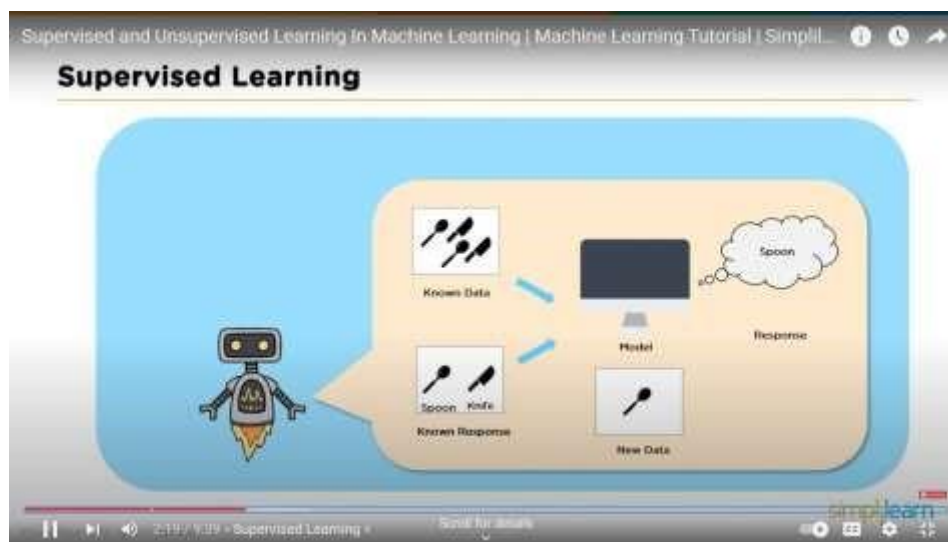
TEAM MEMBER 1: BEEULAH MARRY M

TEAM MEMBER 1: HEMALATHA R

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PRIOR KNOWLEDGE:

Supervised and unsupervised learning:



Regression Classification and Clustering:

The image displays two sequential screenshots of a YouTube video player. The video is titled "Common ML Problems" and "k-Means". The player interface includes a search bar, a sign-in button, and a video progress bar. The video content shows a presenter discussing machine learning problems and clustering algorithms.

Top Screenshot: Common ML Problems

- Common ML Problems
- Classification
- Regression
- Clustering

Machine Learning in R - Classification, Regression and Clustering Problems
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Bottom Screenshot: k-Means

k-Means

Cluster data in k clusters!

The bottom screenshot shows two scatter plots illustrating the k-Means algorithm. The left plot shows three clusters of black data points. The right plot shows the same data points colored red, green, and blue, representing the clusters. The presenter is visible on the right side of the video frame, gesturing towards the plots.

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Flask

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```
from flask import Flask
app = Flask(__name__)

@app.route('/hello/')
def hello_name(name):
    return 'Hello %s' % name


if __name__ == '__main__':
    app.run(debug = True)
```

WARNING: Do not use the development server in a production environment.
Use a production WSGI server instead.
* Debug mode: off
* Running on http://127.0.0.1:5000/ (Press CTRL+C to quit)
127.0.0.1 - - [14/Dec/2018 11:44:47] "GET / HTTP/1.1" 200 -

12:13 / 35:49

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Flask – Redirect & Errors

 Standardized status codes

Prototype \Rightarrow Flask.abort(code)

| Sl.no | Status Code |
|-------|----------------------------|
| 1 | HTTP_300_MULTIPLE_CHOICES |
| 2 | HTTP_301_MOVED_PERMANENTLY |
| 3 | HTTP_302_FOUND |
| 4 | HTTP_303_SEE_OTHER |
| 5 | HTTP_304_NOT_MODIFIED |
| 6 | HTTP_305_USE_PROXY |
| 7 | HTTP_306_RESERVED |

| Sl.no | Code | Description |
|-------|------|------------------------|
| 1 | 400 | Bad Request |
| 2 | 401 | Unauthenticated |
| 3 | 403 | Forbidden |
| 4 | 404 | Not Found |
| 5 | 406 | Not Acceptable |
| 6 | 415 | Unsupported Media Type |
| 7 | 429 | Too Many Requests |

12:07 / 35:49

Python Certification Training