DEVELOPING A FLIGHT DELAY PREDICTION MODELUSING MACHINE LEARNING

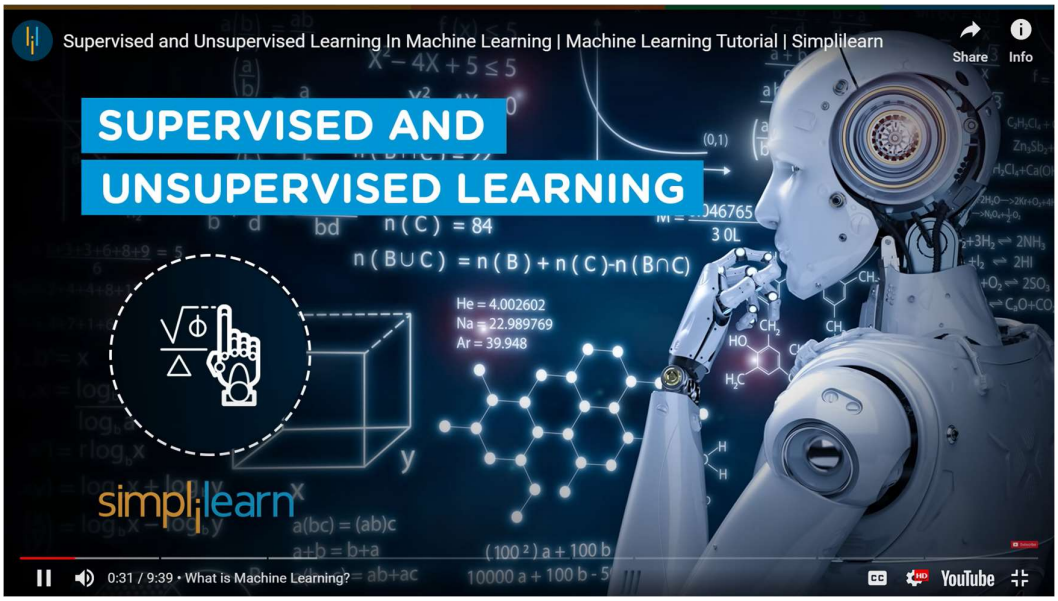
TEAM LEADER : Dhanushpriya T

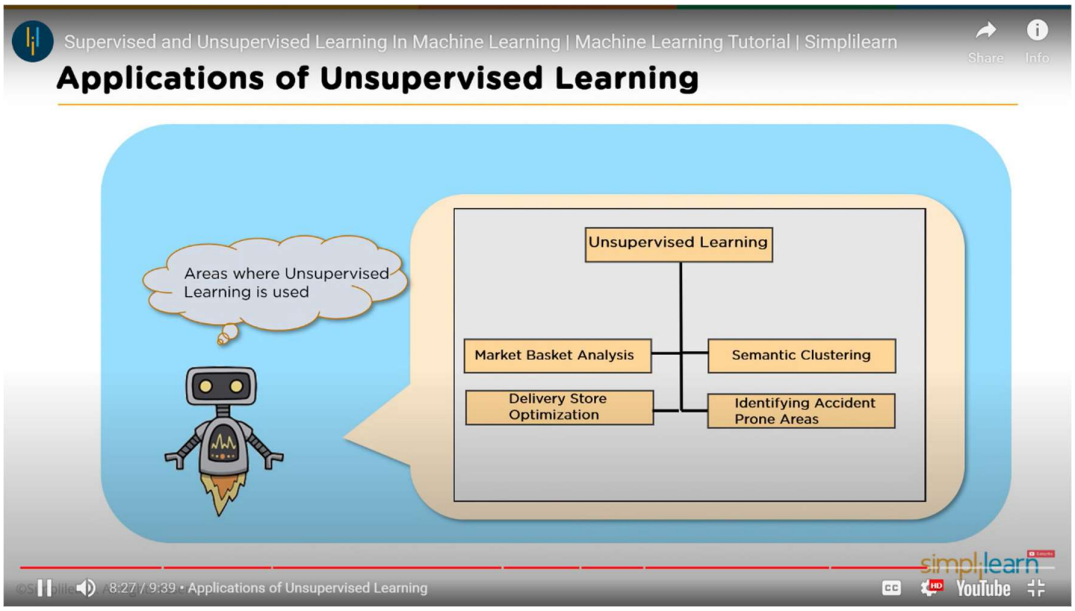
TEAM MEMBERS :

1. M P S Gayathri
2. Jecintha T
3. Kaviyaa K V

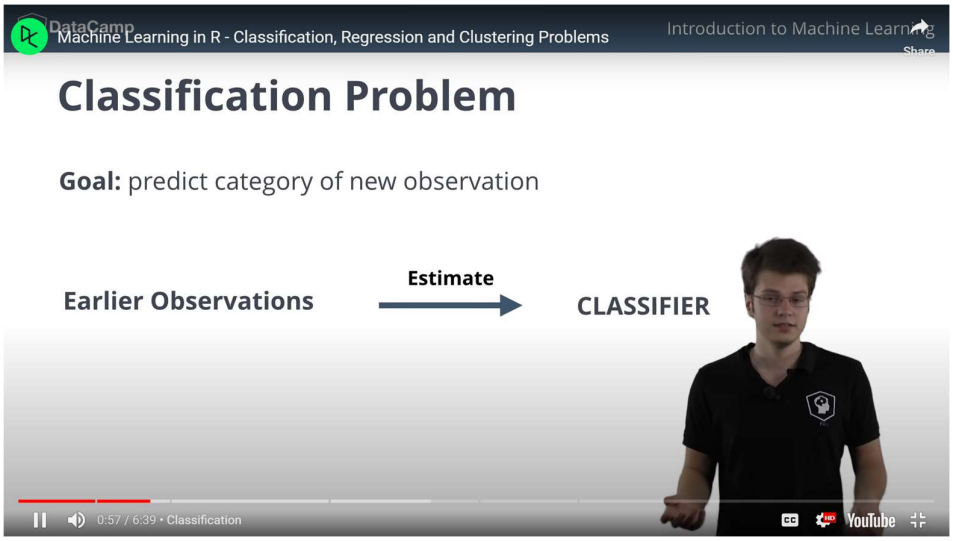
Prior Knowledge:

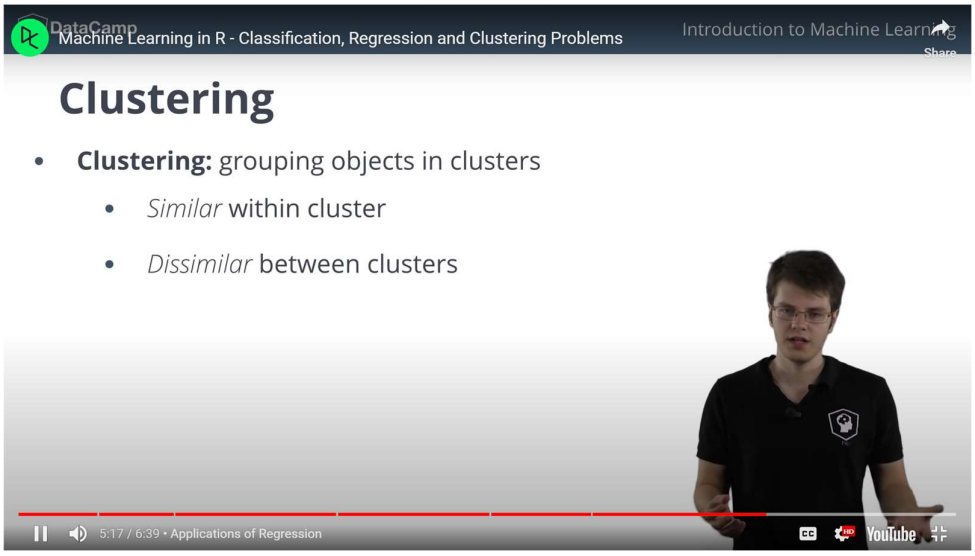
Supervised and unsupervised learning:

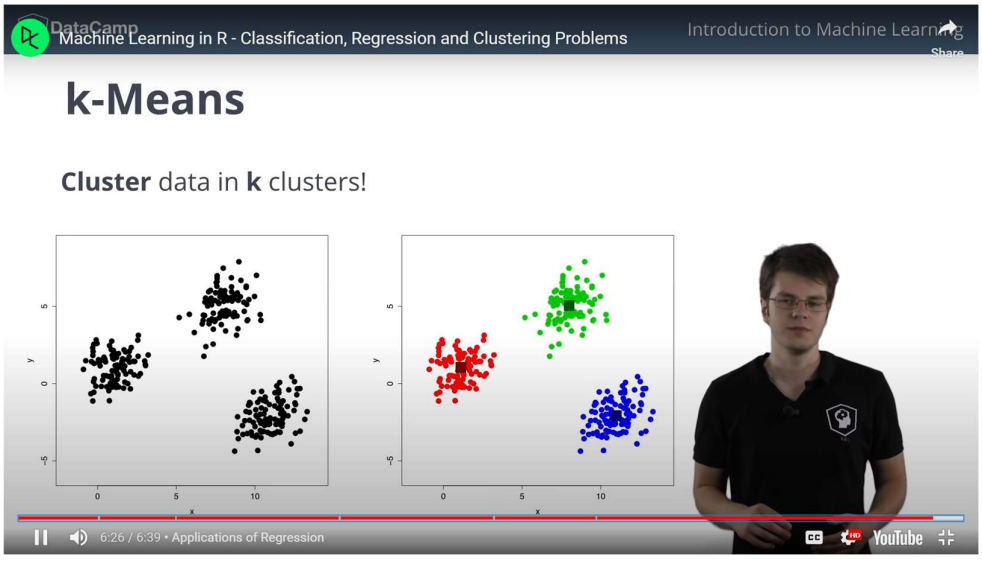




Regression Classification and Clustering:




DataCamp
Machine Learning in R - Classification, Regression and Clustering Problems
Introduction to Machine Learning
Share
Clustering
• Clustering: grouping objects in clusters
• Similar within cluster
• Dissimilar between clusters
5:17 / 6:39 • Applications of Regression
YouTube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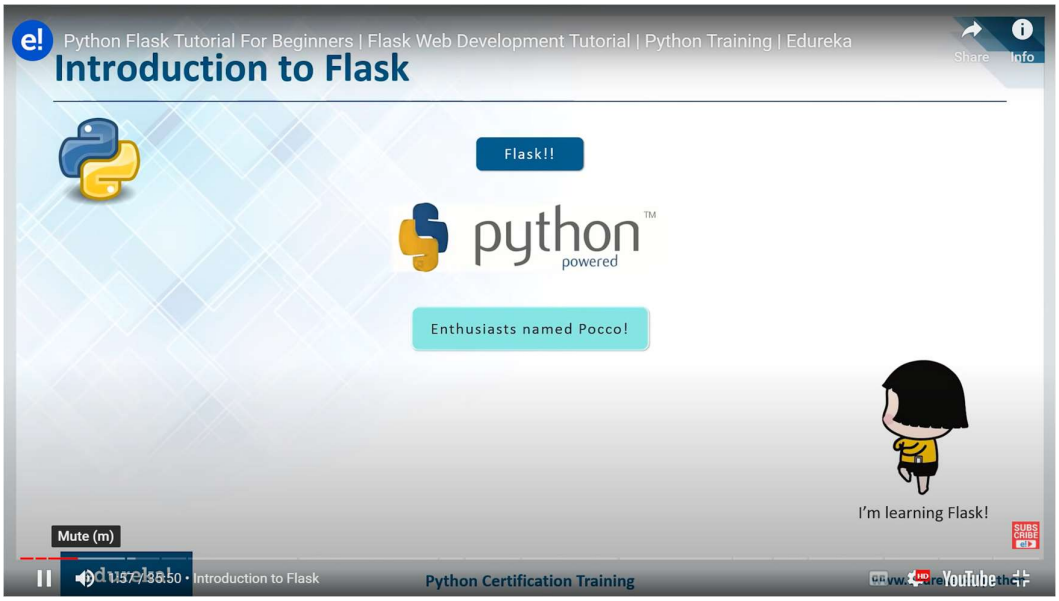
Introduction to Machine Learning
Share
k-Means
Cluster data in k clusters!
6:26 / 6:39 • Applications of Regression
YouTube

Flask: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Introduction to Flask
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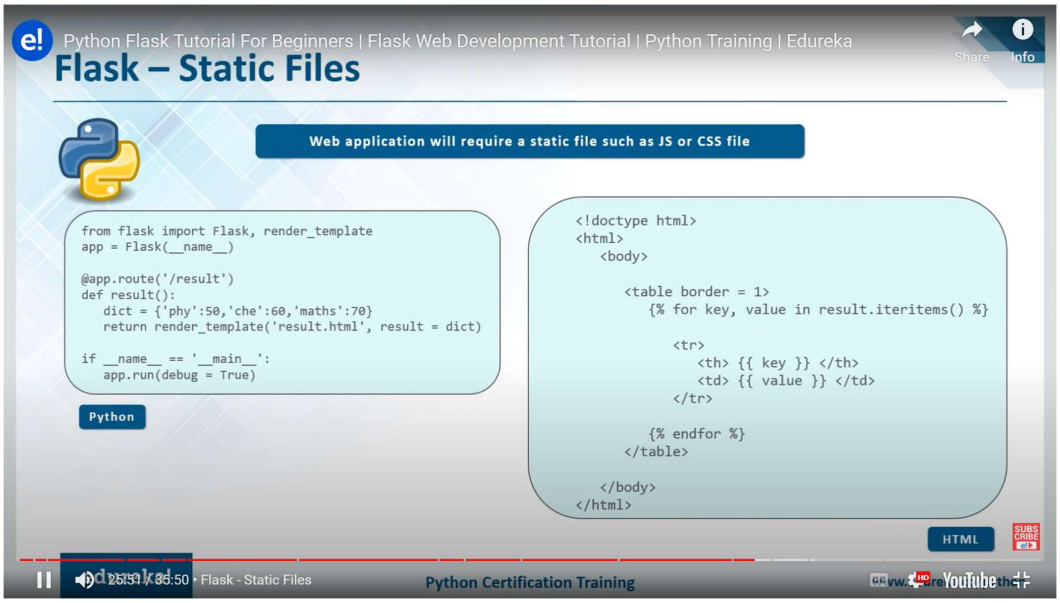
Info
Flask!!
python
powered
Enthusiasts named Pocco!
I'm learning Flask!
Mute (m)
Introduction to Flask
Python Certification Training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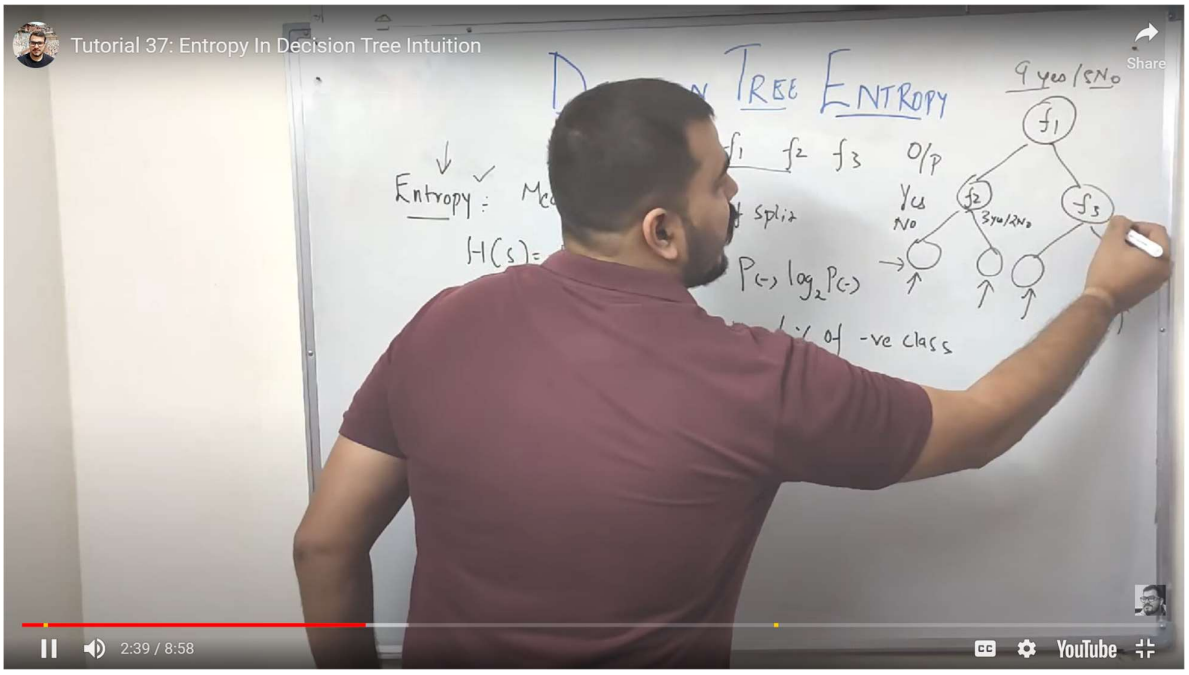
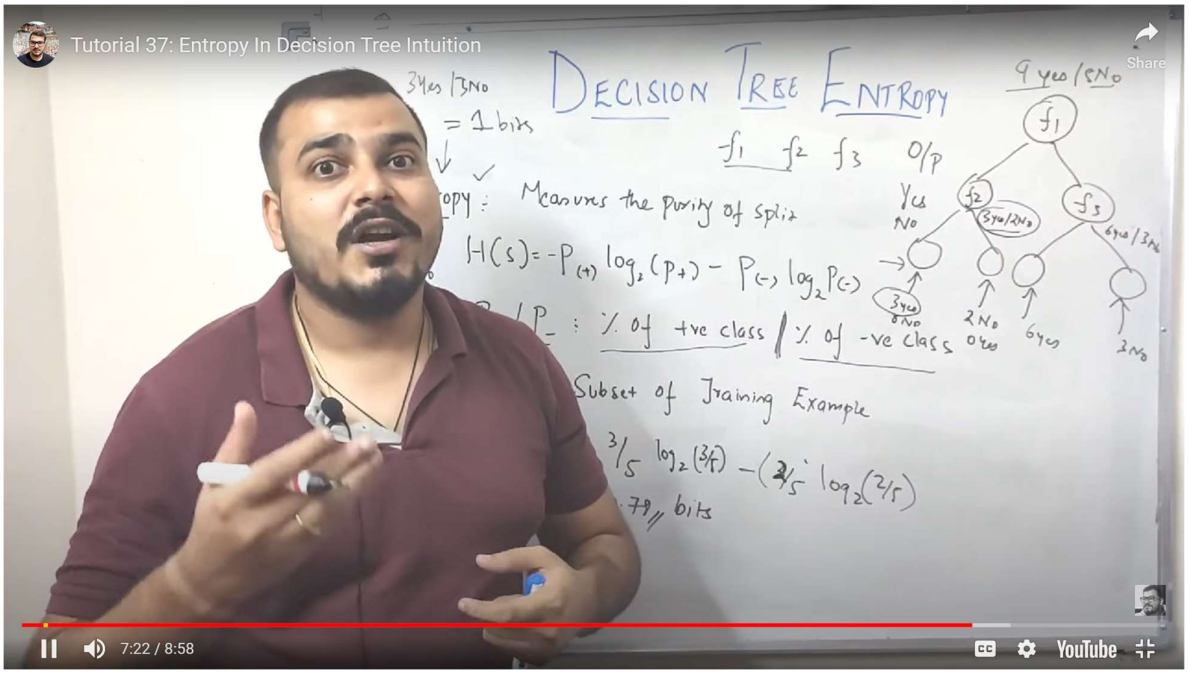
Flask – Static Files
Share
Info
Web application will require a static file such as JS or CSS file
from flask import Flask, render_template
app = Flask(__name__)
@app.route('/result')
def result():
dict = {'phy':50,'che':60,'maths':70}
return render_template('result.html', result = dict)
if __name__ == '__main__':
app.run(debug = True)
Python
<!doctype html>
<html>
<body>
<table border = 1>
{% for key, value in result.iteritems() %}
<tr>
<th> {{ key }} </th>
<td> {{ value }} </td>
</tr>
{% endfor %}
</table>
</body>
</html>
HTML
Flask - Static Files
Python Certification Training

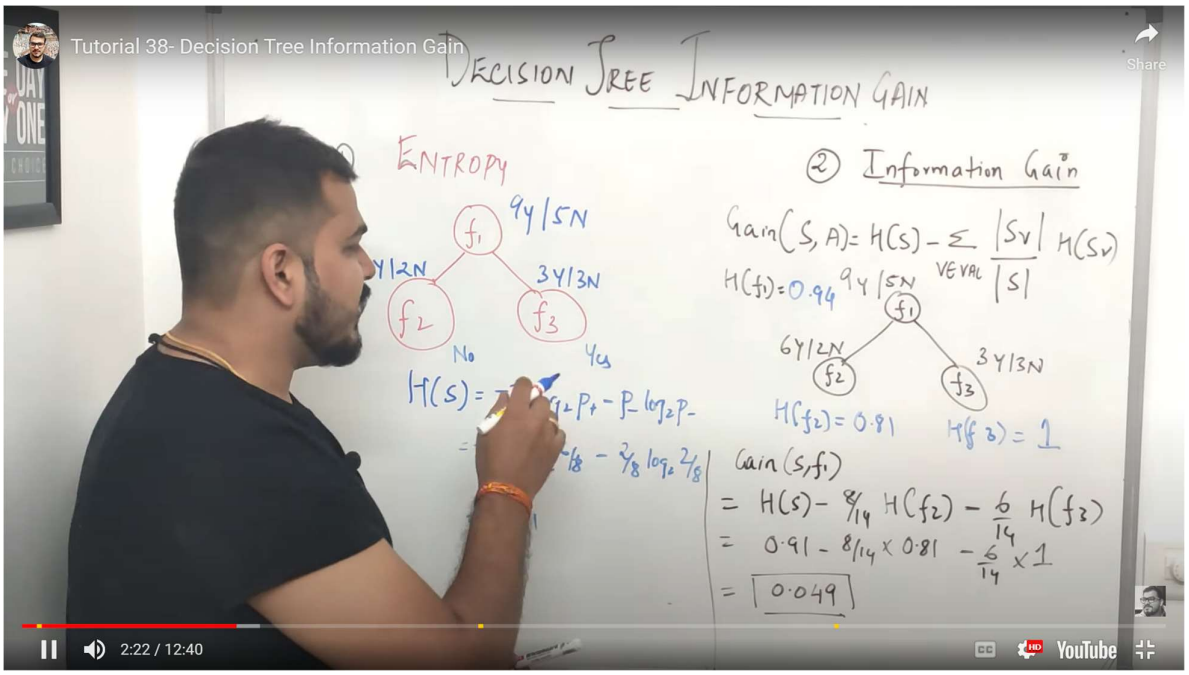
Decision Tree:

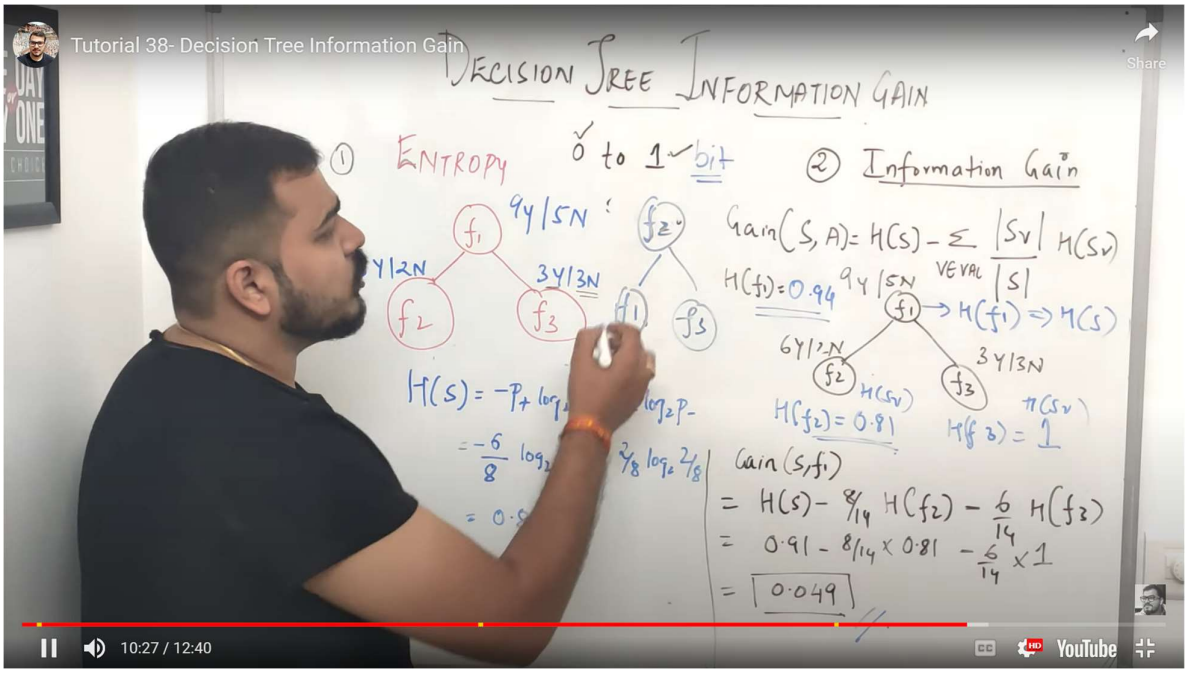
Entropy in Decision Tree Intuition:





Decision Tree information gain:





Gini Impurity intuition in depth in Decision Tree: