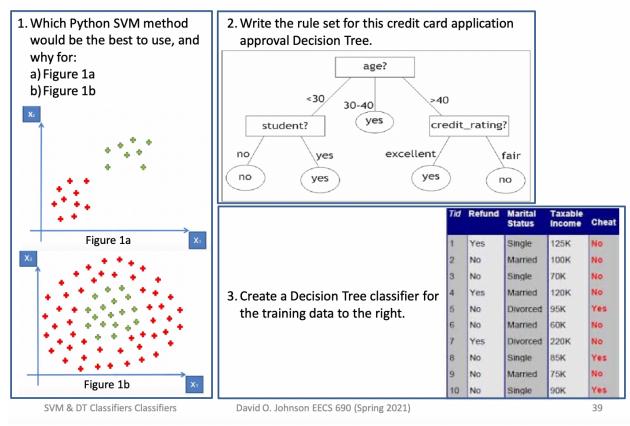
Haonan Hu

2/18/2021

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## **In-Class Problems**



- 1. Which python SVM method would be the best to use?
  - a. Liner-SVC
  - b. Nu-SVC
- 2. Write the rule set for this credit card application approval Decision tree

R1: IF (age < 30 And Student = 'no') Then 'no'

R2: IF (age < 30 And Student = 'yes') Then 'yes'

R3: IF (30 <= age <= 40) Then 'yes'

R4: IF (age > 40 And credit\_rating = 'excellent') Then 'yes'

R5: IF (age > 40 And credit\_rating = 'fair') Then 'no'

## 3. Create Decision Tree classifier for the training data to the right

