## Lecture 16: Classification

**Professor Ilias Bilionis** 

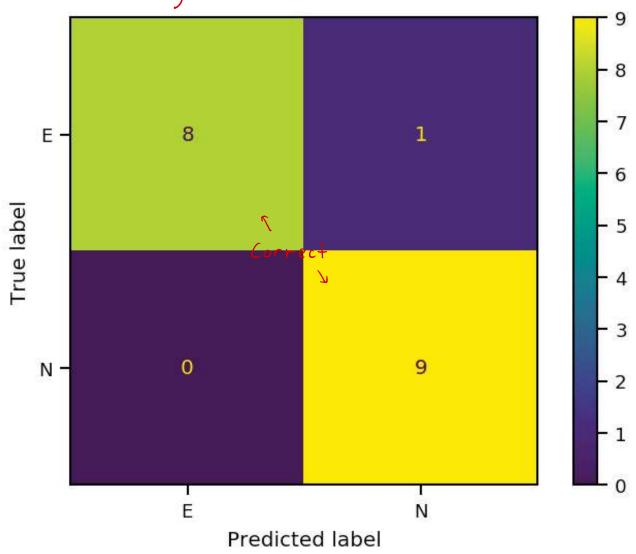
#### Diagnostics for classification

How to determine if the classification is good enough



## **Confusion matrix**

Run diagnostics on validation data





# Accuracy score



#### Imbalanced data

### **More Metrics**

- Cross entropy loss
- Receiver operating characteristics curve
- f1-score
- Brier score
- ...

