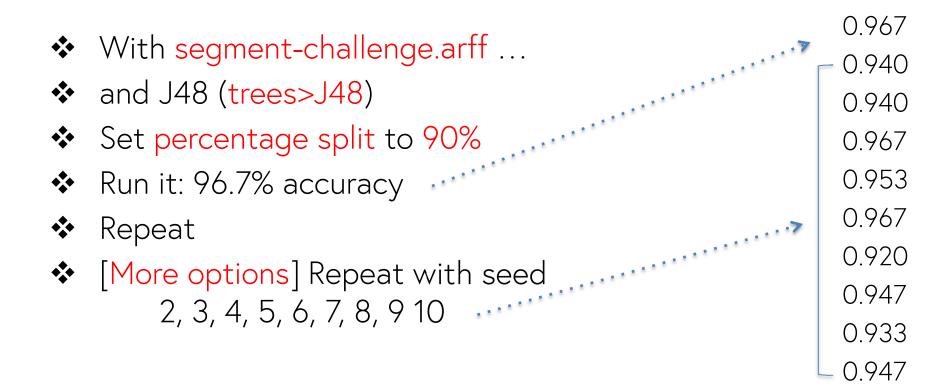


Data Mining with Weka

Repeated training and testing

Repeated training and testing

Evaluate J48 on segment-challenge



Repeated training and testing

Evaluate J48 on segment-challenge

Sample mean
$$\frac{\overline{x}}{n} = \frac{\sum x_i}{n}$$

Variance
$$\sigma^2 = \frac{\sum (x_i - \overline{x})^2}{n-1}$$

Standard deviation σ

$$\overline{x}$$
 = 0.949, σ = 0.018

Repeated training and testing

- Basic assumption: training and test sets sampled independently from an infinite population
- Expect slight variation in results ...
- ... get it by setting the random-number seed
- Can calculate mean and standard deviation experimentally