UNCERTAINTY WITH PYRITE STANDARDS

- When $\phi = 1$, the Pyrite standard is perfect (i.e Gold)
  - ‣ Every positive/negative is a true positive/negative
  - ‣ No uncertainty

- When $\phi = 0$, the Pyrite standard is perfectly wrong
  - ‣ Every positive/negative is a false positive/negative
  - ‣ No uncertainty

- When $\phi = 0.5$, the Pyrite standard has no predictive value
  - ‣ No way of knowing if a positive/negative is a true positive/negative
  - ‣ Maximum uncertainty

AN INTRODUCTION TO CONFIDENCE BOXES