This time: intro; uncertainty about propositions.

Next time: foundations.

Read: Getolch 1, Jch. 1, DJSch. 1-6 "AMS 206 Winter 2019."

Subject line of email to me:

3 take-home tests, k quizzes (k = 5); all via upload of PDF to canvas.

\[ P(A \mid C) = \frac{P(A \cap C)}{P(C)} \]

A = rain
C = clouds

\[ P(\text{clouds} \mid \text{rain}) = \text{big} \]
\[ P(\text{rain} \mid \text{clouds}) = \frac{\text{be small}}{\text{be small}} \]
\[ P(A1BC) = P(A1C) \pm ? \]

\[ P(A1BC) = P(A1C) \cdot P(BC) \]

\[ \frac{P(ABC)}{P(BC)} = \frac{P(A1C)}{P(C)} \cdot \frac{P(AC)}{P(C)} \]

\[ P(ABC) = P(A1C) \cdot \frac{P(BC)}{P(BC)} \]

\[ P(\text{really is HIV+}| \text{test says +, B}) \]

\[ vs. B(\text{test says + | really is +, B}) \]

sensitivity