

# Example

Hello, World

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# smarky-theme

- The beamer theme is the same as smarky-colors.
- Everything here is written in navy on a warm off-white background, with *golden accents* where needed.
- Visit: <https://smarky7cd.github.io>.

# Key Takeaway

## Block Example

This is an example of a block.

## Bayes' Law

$$P(A \mid B) = \frac{P(B \mid A) \cdot P(A)}{P(B)}$$

# Bayes' Law

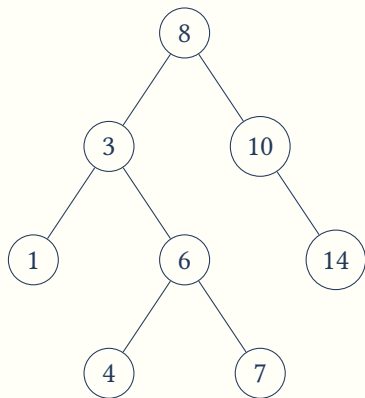
$$P(A | B) = \frac{P(B | A) \cdot P(A)}{P(B)}$$

## Interpretation

Bayes' Law allows us to update our beliefs about  $A$  after observing  $B$ , assuming we know:

- $P(A)$ : prior belief
- $P(B | A)$ : likelihood
- $P(B)$ : evidence

# Binary Search Tree



# Thanks!

Questions? Discussion welcome.