

# My Awesome Individual Project

My name is Awesome

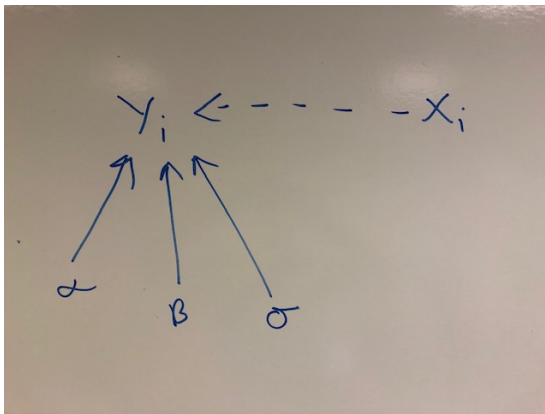
March 22, 2005

# Background

- Give a **quick** overview of your awesome project.
- One slide only for this!

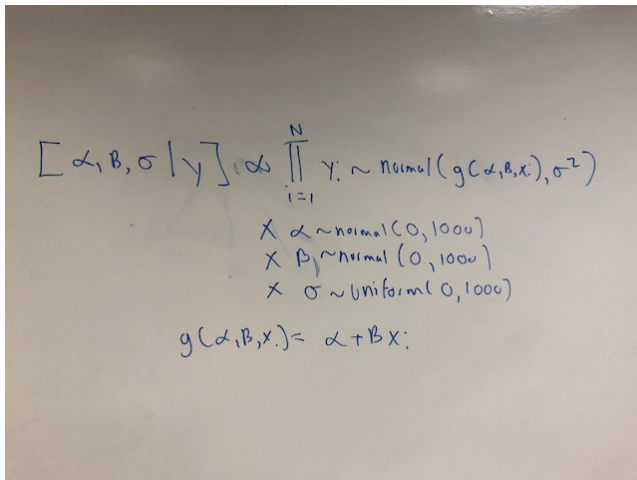
# DAG

- Take a picture of your awesome DAG and put it here using the code below.
- Save the image as png and you fiddle with the `out.width` percent below as needed.



# Joint Distribution

- Take a picture of your awesome joint distribution and put it here using the code below.



Handwritten mathematical expressions on a piece of paper:

$$[\alpha, \beta, \sigma | y] \propto \prod_{i=1}^N y_i \sim \text{normal}(g(\alpha, \beta, x_i), \sigma^2)$$
$$\begin{aligned} X \alpha &\sim \text{normal}(0, 1000) \\ X \beta &\sim \text{normal}(0, 1000) \\ X \sigma &\sim \text{uniform}(0, 1000) \end{aligned}$$
$$g(\alpha, \beta, x_i) = \alpha + \beta x_i$$

# Joint Distribution

- Alternatively, you can use latex to typeset your joint distribution. Here is an example for a simple linear regression:

$$\begin{aligned} [\alpha, \beta, \sigma \mid y] &= \prod_{i=1}^N \text{normal}(y_i \mid g(\alpha, \beta, x_i), \sigma^2) \\ &\quad \times \text{normal}(\alpha \mid 0, 1000) \times \text{normal}(\beta \mid 0, 1000) \\ &\quad \times \text{uniform}(\sigma \mid 0, 100) \\ g(\alpha, \beta, x_i) &= \alpha + \beta x_i \end{aligned}$$