Typo in look 3: 1(c)... weighted AAS206
average of prior and data
likelihood

Means...

Read: chapter from
Gilks et al. on MCMC

\[ I(\theta^* \leq \theta^*) \]

\[ \theta \sim \frac{0.18}{0.11} \]

\[ \Sigma \sim \begin{pmatrix} 0.18 & 0 \\ 0.11 & 1 \end{pmatrix} \]

\[ \text{mean} \theta^* \]

\[ \text{CSE} (\hat{\theta}) \]

\[ \sqrt{\frac{\hat{\theta} (1-\hat{\theta})}{n}} \]
\[ p(\theta | y) = \frac{p(\theta) \, l(\theta | y)}{\int \, p(\theta) \, l(\theta | y)} \]

burn-in

positively

\[ p(\theta_1 | y) = \frac{p(\theta_1) \, l(\theta_1 | y)}{\int \, p(\theta_1) \, l(\theta_1 | y)} \]

\[ \times \quad p(\theta_2 | l(\theta_2 | y)) \]