HW5 PartI

This is $\hat{\beta}$ for simple linear regression $(X^T \Sigma^{-1} X)^{-1} Y^T \Sigma^{-1} Y$, $(X^T \Sigma^{-1} X)^{-1} Y$

- 2. $E[\beta]Z,X,Y] = (x^TX)^TX^TY$, that is the ordinary least squares estimator
- 3. A uniform (non-informative) prior
- 4. It wask still be a uniform (non-informative) prior