

```
B+ S= the total # of
                                                                                                                                                                                                                                                      iterations.
Autocorrelation of Lag k: V_{a,k} := \frac{\delta + s - k}{\sum_{t=0}^{B+s} (\theta_t - \overline{\theta}) (\theta_{t+k} - \overline{\theta})}
 when doe correlation not matter anymone?
  Look at "autocorrelation plot"
                takes 10 iterations to say not correlation doesn't matter
                                                                                                                                       anymore. (correlation so minimal)

  \[
  \begin{align*}
  \text{θe} \\
  \text{$\sigma_p} \\

             Now your Buned & thinned chain.
            ÔmmsE = E[O|X] ≈ 0 = ± = de avenge out
            PMAE = Med [O[X] ≈ order 8's from lowest to highest
                                                                                                O1. O2, ... , Oc
                                                                                             and take O(1) middle value.
              mode estimations are not easy...
                                                                                                                    - applain process for Firm ? ) Sample of from posterior
P(X^*|X) = \int P(X^*|\theta) P(\theta|X) d\theta
How do we approximate sample from A Distribution?
            2. Sample X from P(X*10=0x)
          3. Repeat 1-2.
```