

Empirical Autocorrelation ( $\rho$ )

1.0  
0.8  
0.6  
0.4  
0.2  
0.0

0.0 0.2 0.4 0.6 0.8 1.0

Theoretical Autocorrelation  $\frac{\rho_0 p^2 \text{Var}(X)}{p^2 + p(1-p)E[X]}$

- Hepatitis
- Influenza
- Measles
- Mumps
- Whooping
- Chlamydia
- Polio
- Gonorrhea

