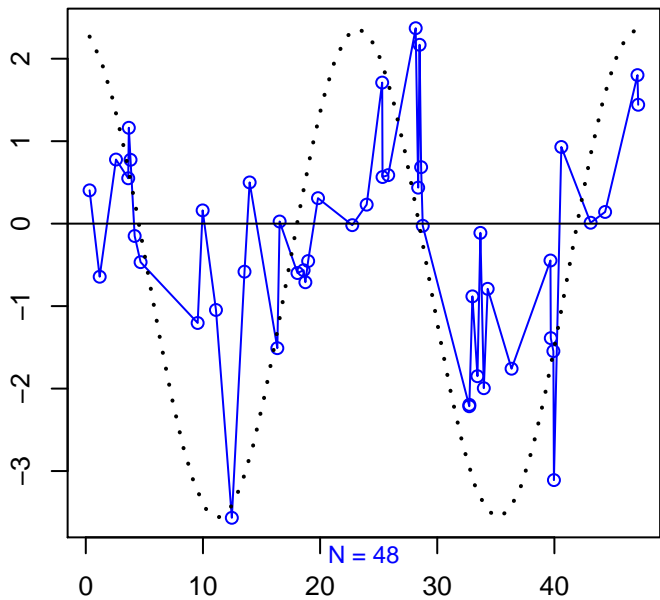


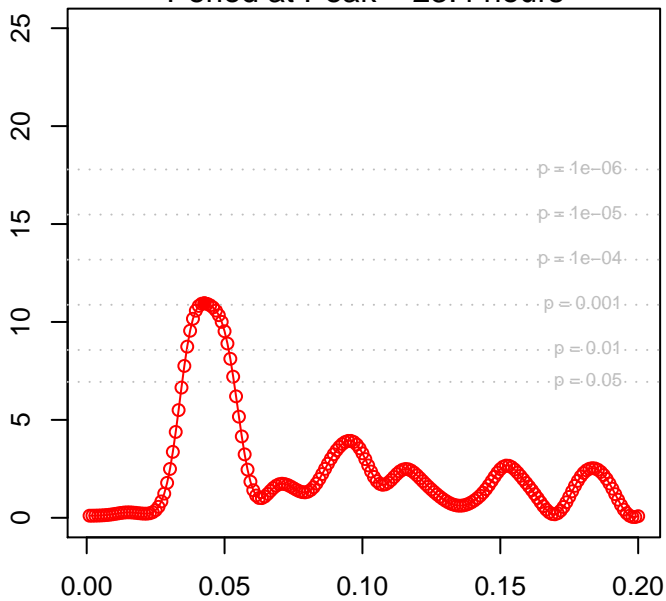
### 24 hr Period Cosine + Noise



$$Y(t) = \cos\left(\frac{2\pi t}{24}\right) + \varepsilon(t)$$

### Lomb-Scargle Periodogram

Period at Peak = 23.4 hours



### Peak Significance

$p = 0.000925$  at Peak

