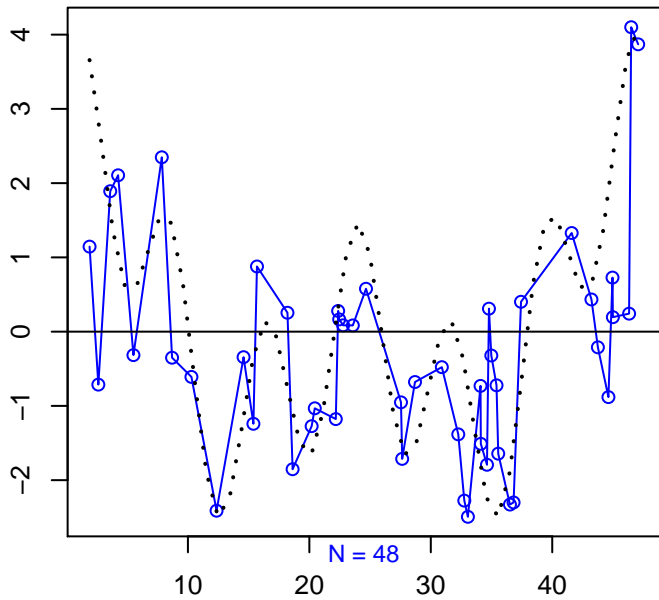


Sum of 3 Cosine Signals + Noise

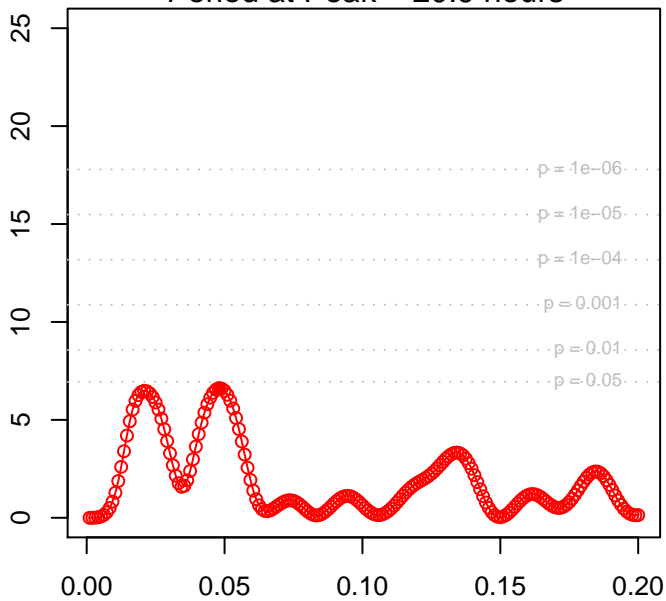


$$Y(t) = \cos\left(\frac{2\pi t}{48}\right) + \cos\left(\frac{2\pi t}{24}\right) +$$

$$\cos\left(\frac{2\pi t}{8}\right) + \varepsilon(t)$$

Lomb-Scargle Periodogram

Period at Peak = 20.9 hours



Peak Significance

$p = 0.0685$ at Peak

