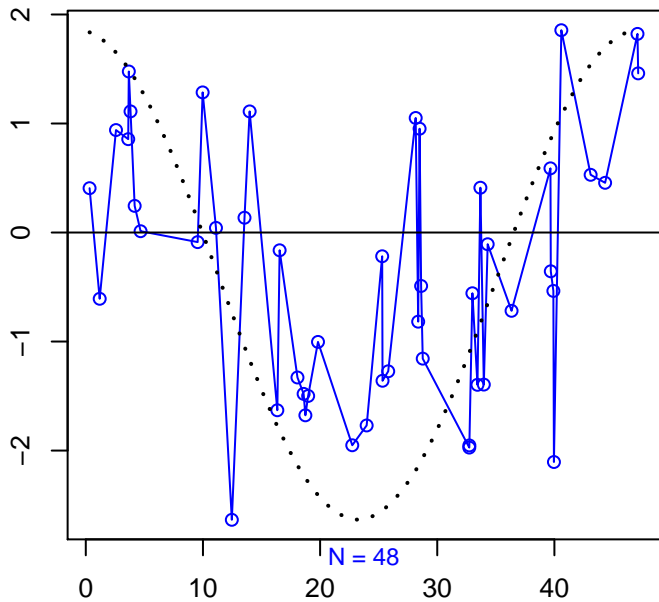
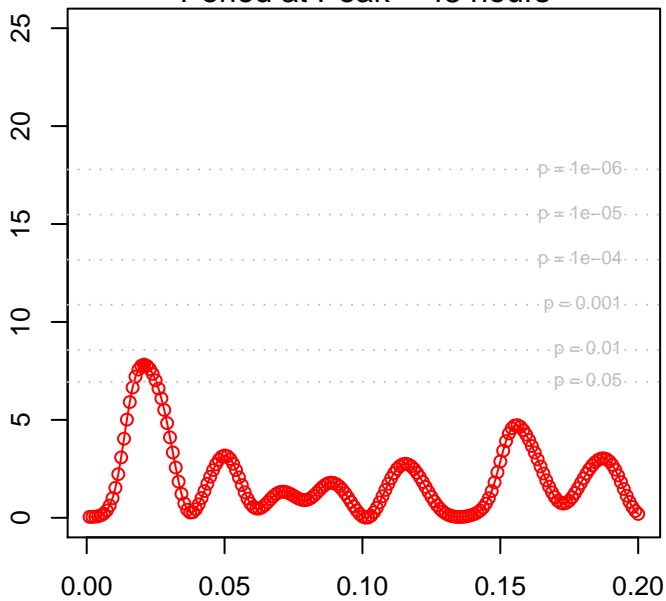


(a) 48 hr Period Cosine + Noise



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

(b) Lomb–Scargle Periodogram
Period at Peak = 48 hours



(c) Peak Significance
 $p = 0.0211$ at Peak

