

Prob & Stats	Name:	
<b>Noisy Crickets</b>	Date:	Period:

Dr. Sally has been studying crickets for several years. she thinks she has observed a strong correlation between air temperature and the rate at which crickets chirp. Using the data set below, do a correlation study to confirm her findings. Do you agree that there is connection?

<i>Temperature</i>	<i>Chirps per second</i>	<i>Temperature</i>	<i>Chirps per second</i>	<i>Temperature</i>	<i>Chirps per second</i>
88.6	20.2	80.6	16.0	83.3	16.2
93.3	18.8	76.3	14.4	82.6	17.2
80.6	17.1	71.6	16.0	83.5	17.0
69.7	14.7	84.3	18.4	82.0	17.1
69.4	15.4	75.2	15.5	79.6	13.2