

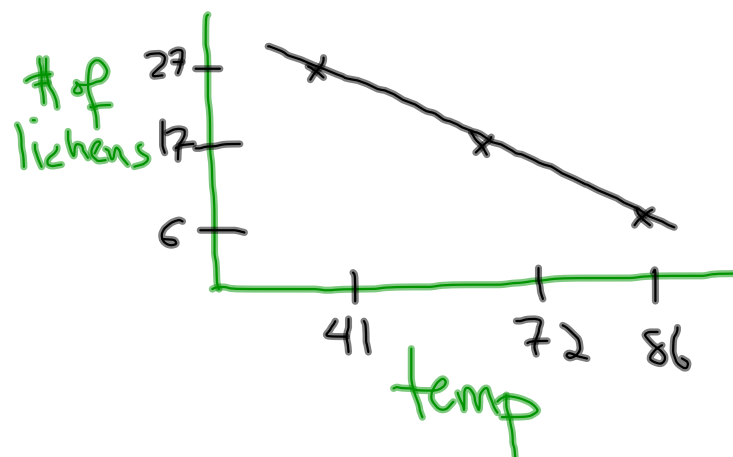
Warm-Up: 2/19/2010

On one half-sheet of paper, answer the following question in detail.

Peter LaRue, a famous lichenologist, is doing a WITRB study on lichens. His question is "what is the relationship between the temperature of the air and the number of species of lichens on a tree?". He has about 45 minutes to collect his data. Can he collect the data he needs to answer his question? Why or why not?

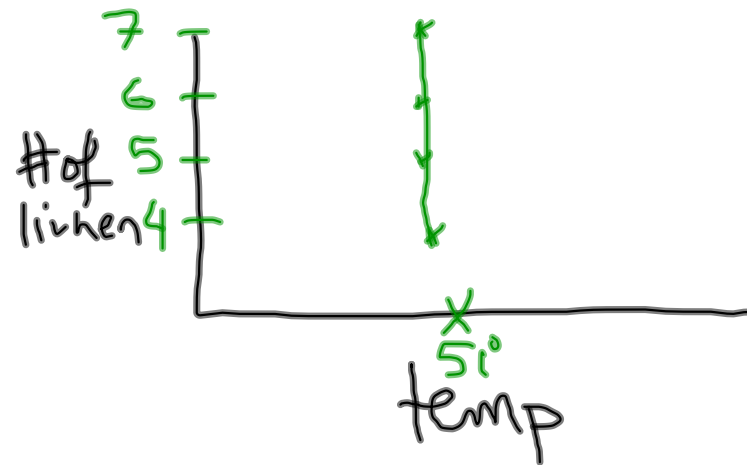
- It's unlikely that he'll get more than one value for temperature.
- Even if he could — he'll only get one value for # of lichens

	Average Yearly Temp	# of lichens
Alaska	41° F	27
California	72° F	17
Ecuador	86° F	6

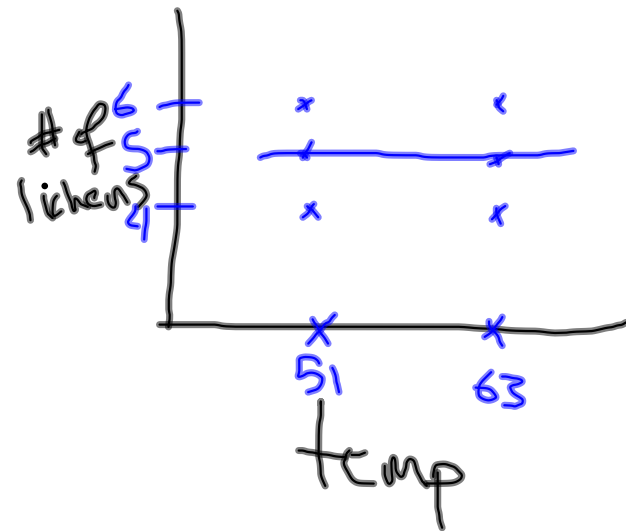


	temp	# of lichens
9:00	51°	7
	51°	6
9:45	51°	4
	51°	5
	⋮	

Average: 51° 4.8



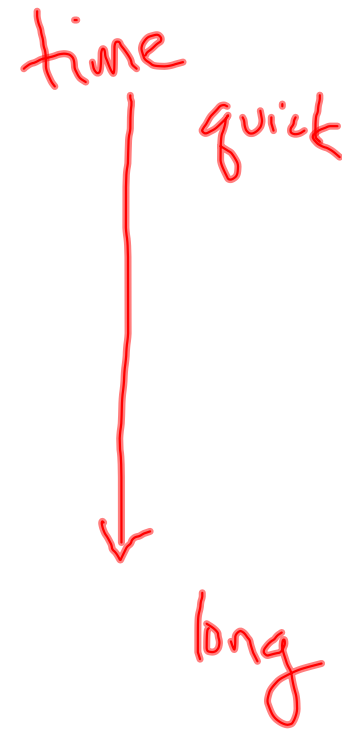
time	temp	# of lichens
9:00	51°F	4
9:00	51°F	5
9:00	51°F	6
9:45	63°F	4
9:45	63°F	5
9:45	63°F	6

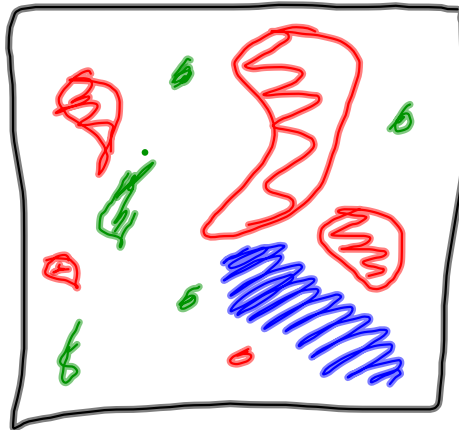


Pick factors \leftrightarrow measuring words
that you think are likely to
have some variation within a 1 hour
time period in our location (CV)

Lichen measurements:

- # of species
- Numerical abundance of each species
- % area coverage (cm^2)





3 species

5 reds - 46cm^2

6 greens - 8cm^2

1 blue - 25cm^2

Lichen herbarium - due TODAY

Proposal for lichen project - due TODAY

Introduction and methods
for lichen project - due TODAY