1. Take the Satisfaction with Life Scale (Diener et al., 1985), then create a mean composite score.

Strongly Disagree		Slightly	Neither Agree			
	Disagree	Disagree	nor Disagree	Slightly Agree	Agree	Strongly Agree
1	2	3	4	5	6	7

_____ In most ways my life is close to my ideal.

_____ The conditions of my life are excellent.

_____ I am satisfied with my life.

_____ So far I have gotten the important things I want in life.

_____ If I could live my life over, I would change almost nothing.

_____ Satisfaction with Life Score (Mean)

2. Turn this count data into percentage data. There were 150 bees in every generation.

Number of bees bred in second generation that have no stripes	Percentage of bees bred in second generation that have no stripes
13	
5	
10	
2	
8	
4	

3. Create a new variable (speed) by combining two existing variables (distance and time).

Miles of Travel (Distance)	Hours of Travel (Time)	Miles per Hour (Speed)
356	7	
560	9	
235	3	
114	2	
389	5	
581	7	

4. Your HbA1c data is exponentially distributed. Use a natural log transformation to make it normally distributed.

HbA1c	ln_HbA1c
1.34	
2.00	
0.16	
10.19	