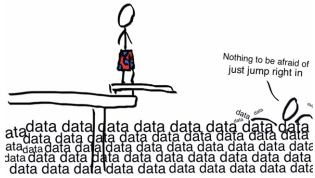


Data Tables

Essential Question: How do you construct a data table?

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Data Tables: Example 1

EFFECT OF SUGAR SOLUTION ON THE HEIGHT OF PLANTS

Plant Group	Percent Sugar Solution	Average Initial Height (centimeters)	Average Final Height (centimeters)
A	0	2	30
B	10	2	28
C	20	3	15
D	30	2	10
E	40	3	(died)
F	50	3	(died)

- What are the characteristics of this data table?
- Is there any way to improve upon this data table?

Data Tables: Example 2

Concentration of Oxygen in Water

Temperature (°C)	Oxygen Concentration in Freshwater (ppm)	Oxygen Concentration in Seawater (ppm)
1	14.0	11.0
10	11.5	9.0
15	10.0	8.0
20	9.0	7.5
25	8.0	7.0
30	7.5	6.0

- What are the characteristics of this data table?
- Is there any way to improve upon this data table?

Data Tables: Example 3

Effects of Ultraviolet Light on Wheat Crop Production

Experimental Plot (4m X 15m)	Wavelength (nm)	Wave Intensity (Joules/m ²)	Crop Yield (g/m ²)
A	357.6	0	110
B	357.6	8	110
C	357.6	20	30
D	357.6	25	20

- What are the characteristics of this data table?
- Is there any way to improve upon this data table?

Data Tables: Example 4

HEART RATE DURING EXERCISE

Student	Heart Rate (bpm*)				
	1 min. of exercise	2 min. of exercise	3 min. of exercise	4 min. of exercise	5 min. of exercise
1	88	98	102	110	110
2	92	96	103	115	118
3	87	100	112	112	130
4	93	109	115	120	122
5	90	93	101	112	112
Average	90	99	107	114	118

*bpm = beats per minute

- What are the characteristics of this data table?
- Is there any way to improve upon this data table?

Data Tables: Example 5

Survival Rate of Cholera Victims in a Hypothetical Outbreak

	# Infected	# Survived
homozygous dominant for Cystic Fibrosis gene	1435	71
heterozygous for Cystic Fibrosis gene	1447	766
homozygous recessive for Cystic Fibrosis gene	1442	0
Total # infected	4324	837

- What are the characteristics of this data table?
- Is there any way to improve upon this data table?
