Data on Traits

Examine your assigned data set (a dachshund or monkey-flower trait) and create a histogram showing the pattern of trait variation you observe in the data. The range intervals for each trait are listed below the data table.

Dachshund Traits

Dog Number	Dachshund Hair Length (in mm)	Dachshund Body Length (in cm)	Dachshund Height (in cm)
1	25.4	85.2	38.9
2	93.3	89.7	42.1
3	25.3	81.2	39.3
4	97.5	83.3	41.8
5	26.1	85.5	38.6
6	26.2	84.6	38.9
7	92.1	85.9	38.8
8	23.6	89.1	42.7
9	25.3	81.3	37.6
10	96.3	86.2	38.2
11	25.2	84.4	38.0
12	93.1	85.6	36.3
13	94.3	85.9	38.3
14	24.4	88.8	34.3
15	93.7	82.1	37.4
16	26.0	85.3	37.9
17	25.2	85.8	35.1
18	23.4	86.3	34.2
19	25.1	84.9	38.5
20	96.1	85.0	39.2

Intervals for Dachshund Hair Length (in mm)	Frequency (Number of Individuals in Range)	Intervals for Dachshund Body Length (in cm)	Frequency (Number of Individuals in Range)	Intervals for Dachshund Height (in cm)	Frequency (Number of Individuals in Range)
23.4–33.9		81.2–82.9		34.2–36.3	
34.0–44.5		83.0–84.7		36.4–38.5	
44.6–55.1		84.8–86.5		38.6–40.6	
55.2–65.7		86.6–88.3		40.7–42.7	
65.8–76.3		88.4–89.7			
76.4–86.9					
87.0–97.5					

Monkey-Flower Traits

Plant	Pistil Length (in mm)	Stamen Length (in mm)	Amount of "Purple" Pigment (mg/g Plant)
1	26.63	23.02	17.1
2	26.81	23.58	1.6
3	26.22	22.60	1.2
4	25.83	23.78	0.9
5	25.12	21.92	1.3
6	26.46	22.46	1.8
7	26.86	24.28	1.7
8	25.79	23.01	1.3
9	25.88	23.54	1.6
10	25.26	22.14	1.9
11	26.09	22.08	0.0
12	27.65	23.11	1.1
13	28.25	22.76	1.8
14	26.50	23.23	16.9
15	27.15	22.49	13.2
16	24.89	22.68	15.9
17	27.73	24.17	1.3
18	27.07	24.40	14.8
19	25.34	22.79	0.4
20	28.34	24.27	16.8

Pistil Length (in mm)	Frequency (Number of Individuals in Range)
24.89–25.32	
25.33–25.76	
25.77–26.20	
26.21–26.64	
26.65–27.08	
27.09–27.52	
27.53–27.96	
27.97–28.34	

Stamen Length (in mm)	Frequency (Number of Individuals in Range)
21.92–22.33	
22.34–22.75	
22.76–23.17	
23.18–23.59	
23.60–24.01	
24.02–24.40	

Amount of "Purple" Pigment (mg/g Plant)	Frequency (Number of Individuals in Range)
0.0–1.9	
2.0–3.9	
4.0–5.9	
6.0–7.9	
8.0–9.9	
10.0–11.9	
12.0–13.9	
14.0–15.9	
16.0–17.1	