

CSI3005 – Advanced Data Visualization

Assignment - 1

Consider the below sample dataset:

name	genus	vore	order	conservat	sleep_tot	sleep_ren	sleep_cyc	awake	brainwt	bodywt
Cheetah	Acinonyx	carni	Carnivora	lc	12.1	NA	NA	11.9	NA	50
Owl monk	Aotus	omni	Primates	NA	17	1.8	NA	7	0.0155	0.48
Mountain	Aplodontia	herbi	Rodentia	nt	14.4	2.4	NA	9.6	NA	1.35
Greater sh	Blarina	omni	Soricomor	lc	14.9	2.3	0.133333	9.1	0.00029	0.019
Cow	Bos	herbi	Artiodacty	domestica	4	0.7	0.666667	20	0.423	600
Three-toe	Bradypus	herbi	Pilosa	NA	14.4	2.2	0.766667	9.6	NA	3.85
Northern	Callorhinus	carni	Carnivora	vu	8.7	1.4	0.383333	15.3	NA	20.49
Vesper m	Calomys	NA	Rodentia	NA	7	NA	NA	17	NA	0.045
Dog	Canis	carni	Carnivora	domestica	10.1	2.9	0.333333	13.9	0.07	14
Roe deer	Capreolus	herbi	Artiodacty	lc	3	NA	NA	21	0.0982	14.8
Goat	Capri	herbi	Artiodacty	lc	5.3	0.6	NA	18.7	0.115	33.5
Guinea pi	Cavis	herbi	Rodentia	domestica	9.4	0.8	0.216667	14.6	0.0055	0.728
Grivet	Cercopith	omni	Primates	lc	10	0.7	NA	14	NA	4.75
Chinchilla	Chinchilla	herbi	Rodentia	domestica	12.5	1.5	0.116667	11.5	0.0064	0.42
Star-nose	Condylura	omni	Soricomor	lc	10.3	2.2	NA	13.7	0.001	0.06
African gi	Cricetomy	omni	Rodentia	NA	8.3	2	NA	15.7	0.0066	1

Write R code to create five different interactive graphs/charts using the dataset.