Homework 2: Visualizing Multivariate Data

The purpose of this assignment is to get you thinking about how one might visualize a modest multivariate data set. Below is a picture of a data set about minivans. This is really just a data table. As the first part of the assignment, think about the cognitive tasks that people would perform with the aid of this data. What would a person want to know about this data set? Next, I want you to create a visualization of this data that would assist those tasks. Your visualization should be static, simply draw it on paper (you can use computer drawing tools if you want).

What to turn in: Turn in your visualization. Simply submit the drawing or drawings that you did. Also, explain how the visualization "works". What is represented? List some example tasks that your visualizations would assist. Note that it's unlikely that your visualization will assist many different types of tasks, so you may want to pick a particular type or types and focus on them.

Grading: I will evaluate the utility of your visualization to assist with the tasks that you identified. One component of the evaluation will the creativity of your design. Another evaluation dimension is the clarity of your explanations and your critical thinking about the visualization and data set.

	2000 OLDSMOBILE SILHOUETTE GL	2000 CHRYSLER TOWN & COUNTRY LX	2000 MAZDA MPV ES	Z000 TOYOTA SIENNA IF	2000 OLD SMORILE	2000 HONDA	2000 CHRYSLER	Z000 FORD
Std Engine	3400 SH 12V V6	334OHV 12V V6	2.5-L SOHC 24V V6	3.04 DOHC 2AV V6	3400 SR 12V VK	3.51 SOHC 24VVX	3 P.J. OHV 13V VK	381 OHV 190 VA
Horspower	185 @ 5200	158 59 4850	170 @ 6250	194.0 5200	185 0 5200	210 @ 6200	180 6 4400	STATE TO SECOND
	210 @ 4000	203 8 3250	165 @ 4250	209 © 4400	210 @ 4000	279 to 2300	270 8 200	000 P 000
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minh		NA	NA	NA	Pes	NA	NA	NA
B'A-est. fuel boon, City/Hwy (Auto Irans)		17/24	18/23	18/24	19/76	18/25	17/24	17/33
Suspension Packages	Opt (Touring; req. PH3)	NA.	NA	NA	Touring (Sid)	NA	Trailer Tow (\$245)**	NA
Automatic Load Leveling	Opt No w/Tour Sus	100	AN.	NA	PS PS	Std	BS	NA
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Dual Frontal Air Bags	Sed	38	755	Srel	aps:	Sid	PS	Sid
nied	Sidi	NA	Sie	NA	195	NA	NA	Opt (\$390)**
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Width, in	77.2	768	72.1	73.4	72.2	76.3	768	76.6
-	68.1	687	68.7	67.3	1.89	69.7	687	85.8
20-1	3,832	4,082	3,677	3,890	3,832	4,288	4,189	3,988
-	153.9	163.4	135.6	131.0	155.9	163.3	163.4	136.5
_	\$25,800	\$26,950	\$26,030	\$25,378	\$32,200	\$26,415	534,855	\$31.120
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BOB denotes Oddrodole advantage against one or nove competitors. 800D tenotole advantage against this specific competitor. 1 Sthoughte Fremers includes a standard entertainment system with a video casselle player, ICD color monitor.

Residually legal player, so with a color monitor of the competitors. See the Owners Amnual for more clears. (Next. When adding engine coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that you use only DEX-COOL (silicase-free) coolors, it is important that are only present that an active or soft should be used to be soft of the competitors of the coolors of the