Information Visualization

John Stasko

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## Agenda Why visualization? Definitions Examples











,	Want More Evidence?										
	Questio	ons:	Which state has the highest income? Is there a relationship between income and education? Are there any outliers?								
E.	. Table - StateData ()			Minnocota	20.4%	1/200					
	France States and ()			Minnesola	10.9%	9648					
	10		Load shap	Missouri	22.3%	12989					
-	State	Lollege Degree	% Per Lapita Income 11 400	Montana	25.4%	11213					
-	Alapama	20.6%	11486	Nebraska	26.0%	12452					
-	Alaska	30.3%	17610	Nevada	21.5%	15214					
	Arizona	27.1%	13461	New Hampshire	32.4%	15959					
	Arkansas	17.0%	10520	New Jersey	30.1%	18714					
-	California	31.3%	16409	New Mexico	25.5%	11246					
	Colorado	33.9%	14821	New York	29.6%	16501					
	Connecticut	33.8%	20189	North Carolina	24.2%	12885					
	Delaware	27.9%	15854	North Dakota	28.1%	11051					
	District of Columbia	36.4%	18881	Ohio	22.3%	13461					
	Florida	24.9%	14698	Oklahoma	22.8%	11893					
	Georgia	24.3%	13631	Oregon	27.5%	13418					
	Hawaii	31.2%	15770	Pennsylvania	23.2%	14068					
	Idaho	25.2%	11457	Rhode Island	27.5%	14981					
	Illinois	26.8%	15201	South Carolina	23.0%	11897					
	Indiana	20.9%	13149	South Dakota	24.6%	10661					
	lowa	24.5%	12422	Tennessee	20.1%	12255					
	Kansas	26.5%	13300	Texas	25.5%	12904					
	Kentucky	17.7%	11153	Utah	30.0%	11029					
	Louisiana	19.4%	10635	Vermont	31.5%	13527					
	Maine	25.7%	12957	Virginia	30.0%	15/13					
	Mandand	31.7%	17730	Washington	30.9%	14923					
	Massachusetts	34.5%	17224	West virginia	10.1%	12270					
E	Michigan	241%	14154	wisconsin	24.3%	10011					
	Minnesota	30.4%	14389		120.776	123111					
			I			Example courtesy					
6750-Sp	r `07			~ <b>9</b>		of Chris North	8				



















































Data Table Format									
		Case <sub>1</sub>	Case <sub>2</sub>	Case <sub>3</sub>					
Dimensions	Variable <sub>1</sub>	Value <sub>11</sub>	Value <sub>21</sub>	Value <sub>31</sub>					
	Variable <sub>2</sub>	Value <sub>12</sub>	Value <sub>22</sub>	Value <sub>32</sub>					
	Variable <sub>3</sub>	Value <sub>13</sub>	Value <sub>23</sub>	Value <sub>33</sub>					
		Think of as a function							
$f(case_1) = \langle Val_{11}, Val_{12}, \rangle$									
Time series data a special case									
6750-Spr '07									

















































