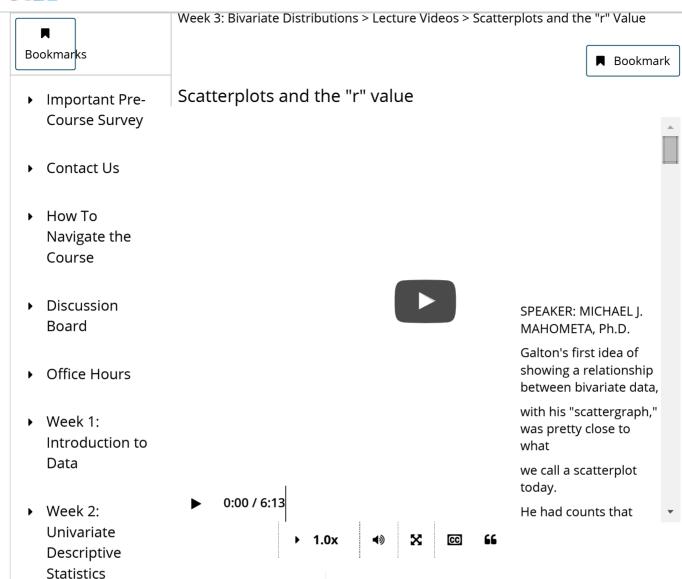


UTAustinX: UT.7.10x Foundations of Data Analysis - Part 1



▼ Week 3: Bivariate Distributions

Readings

Reading Check due Mar 15, 2016 at 18:00 UTC

Lecture Videos

Comprehension Check due Mar 15, 2016 at 18:00 UTC

R Tutorial Videos

Pre-Lab

Pre-Lab due Mar 15, 2016 at 18:00 UTC

Lab

Comprehension Check

.srt

Download transcript

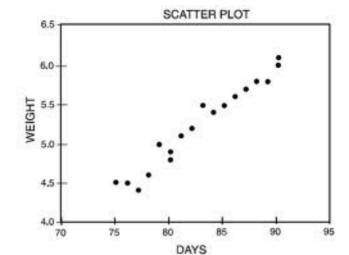
A researcher plotted the weights of each of his lab mice against their age (in days). This produced the following scatterplot:

Lab due Mar 15, 2016 at 18:00 UTC

Problem Set

Problem Set due Mar 15, 2016 at 18:00 UT 🗗

▶ Week 4: **Bivariate** Distributions (Categorical Data)



(4/4 points)

How would you describe the direction of the relationship shown in this scatterplot?

Positive

Negative

There is no relationship

How would you describe the strength of the relationship in this scatterplot?

Weak (the data points are widely scattered)

Moderately strong (there is a clear pattern, but there are a few significant outliers)

Very strong (nearly all the data points sit on or near the linear trend line)

None (there is no visible relationship)

Which of the following best describes the relationship between these two variables?

♠ T'	.11		
The mice ge	et heavier as they age.	<u> </u>	
The mice do	o not appear to grow mu	ich during the fi	rst month of
	he most likely value of th this relationship betweer		
O -0.87			
0.56			
● 0.93 ✔			
0 100			
0 1.00			
1.00			
selow is a tab n atrix) for inc	le of Pearson correlation	_	
selow is a tab n atrix) for inc ntelligence.	ome, amount of ed	ucation, age,	and
Below is a tab natrix) for incontelligence.	Education	Age	and
Below is a tab	Education	Age 0.41	IQ 0.27

Education and Income
Education and IQ
Which variables appear to have almost no relationship at all?
Age and Education
Age and IQ
IQ and Income
There are no variables that are not related.
What would be the correlation of Education with Education?
0.00
0.50
● 1.00 ✔
Cannot be answered

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