Name			
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## Titanic (part 2)

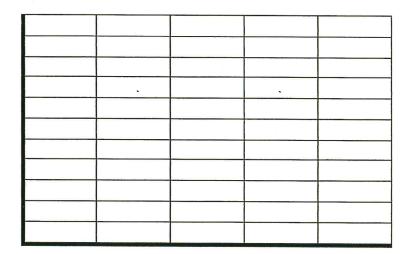
On Sunday, April 14, 1912 the Titanic struck an iceberg and sank in less than three hours. A sequence of mistakes and tragic consequences resulted in only 711 of her 2,201 passengers and crew being saved. Some believe that the rescue procedures used that night unfairly favored the wealthier first class passengers. The two-way table below gives the number of first-class, second-class and third-class passengers and crew rescued and lost.

	Rescued	Lost	Total
First-class	203	122	325
Second-class	118	167	285
Third-class	178	528	706
Crew	. 212	673	885
Total	711	1490	2201

- a) What are the two categorical variables? How many categories are there for each variable?
- b) What percentage of passengers were rescued?
- c) What percentage of first class passengers were rescued?
- d) What percentage of second class passengers were rescued?
- e) What percentage of third class passengers were rescued?

f) Does there appear to be an association between passenger classification and rescue? Use clear, complete sentences to state and justify your answer.

g) Make a segmented bar graph with passenger classification on the horizontal axis and each bar segmented by survival.



h) Make a segmented bar graph with survival (rescued/lost) on the horizontal axis and each bar segmented by passenger classification.

