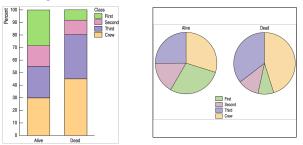
Lesson 04: Is it a bar or a pie? or



Do not make a report like "We found that 66.67% of the rats improved their performance with training. The other rat died."

It is a Segmented Bar Chart



A segmented bar chart displays the same information as a pie chart, but in the form of bars instead of circles.

Tab	ole f	or Com	barison				
					Class		
			First	Second	Third	Crew	Total
	_	Alive	203	118	178	212	711
	ival	Anve	28.6%	16.6%	25.0%	29.8%	100%
	Surv		122	167	528	673	1490
	Š	Dead	8.2%	11.2%	35.4%	45.2%	100%

A company held a blood pressure screening clinic for its employees. The results are summarized in the table below by age group and blood pressure level:

		Age		
		Under 30	30-49	Over 50
ъĘ	Low	27	37	31
Blood	Normal	48	91	93
Pre	High	23	51	73

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a) Find the marginal distribution of blood pressure level.

- b) Find the conditional distribution of blood pressure level within each age group.
- c) Compare these distributions with a segmented bar
- graph. d) Write a brief description of the association between age and blood pressure among these employees. e) Does this prove that people's blood pressure increases
- as they age? Explain.

Review of displaying and describing categorical data