Classwork 1

Course : Introduction to Probability and Statistics, Math 113 Section 3234
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SOLUTIONS

Given below is part of data of ages of actresses at the time that they won an Oscar.

22	37	28	63	32	26	31	27	27	28
30	26	29	24	38	25	29	41	30	35

1. Make a frequency distribution using 6 classes. Write down the following:

Minimum value: 22   Maximum value: 63

Range: $63 - 22 = 41$ Class width: $(63 - 22)/6 = 6.83 \approx 7$

Number	Class Interval	Class midpoint	Frequency	Relative frequency
1	$22 - 28$	25	9	$9/20 = 0.45$
2	$29 - 35$	32	7	$7/20 = 0.35$
3	$36 - 42$	39	3	$3/20 = 0.15$
4	$43 - 49$	46	0	0
5	$50 - 56$	53	0	0
6	$57 - 63$	60	1	$1/20 = 0.05$

2. Make a histogram of the above frequency distribution. Choose appropriate y-scale.