

**1. Problem**

A continuous random variable  $X$  was measured 63 times. The sorted measurements are shown below.

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30.65	30.91	31.04	31.16	31.73	32.03	32.06	32.26	32.44
32.62	32.75	32.84	32.88	32.88	32.90	32.97	33.01	33.02
33.24	33.24	33.28	33.32	33.33	33.34	33.36	33.48	33.50
33.53	33.61	33.62	33.67	33.74	33.88	33.90	33.93	34.02
34.03	34.09	34.09	34.12	34.21	34.21	34.24	34.24	34.25
34.31	34.35	34.43	34.45	34.46	34.46	34.48	34.50	34.52
34.58	34.59	34.64	34.65	34.67	34.75	34.86	34.96	34.98

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Create a boxplot representing these measurements.

**2. Problem**

A continuous random variable  $X$  was measured 72 times. The sorted measurements are shown below.

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40.64	40.96	41.26	41.68	41.89	42.33	42.41	42.46	42.49
42.60	42.86	42.96	43.00	43.01	43.07	43.11	43.12	43.15
43.39	43.45	43.49	43.50	43.52	43.52	43.54	43.63	43.64
43.64	43.76	43.81	43.82	43.84	43.89	43.93	44.05	44.05
44.08	44.11	44.11	44.12	44.16	44.18	44.31	44.33	44.35
44.38	44.40	44.43	44.51	44.52	44.55	44.57	44.58	44.59
44.61	44.66	44.66	44.67	44.74	44.76	44.77	44.78	44.80
44.80	44.80	44.81	44.82	44.85	44.91	44.95	44.96	44.96

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Create a boxplot representing these measurements.