Comprehensive Analysis: profit_margin
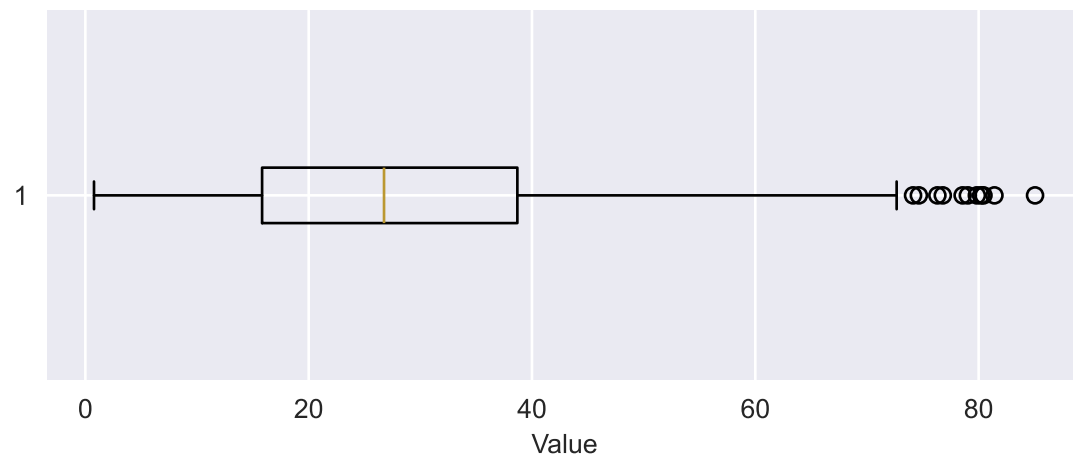**Filters: {'region': 'East'}**

Legend:
- normal (AIC: 16758.16)
- lognormal (AIC: 16585.02)
- exponential (AIC: 17298.49)
- gamma (AIC: 16552.63)
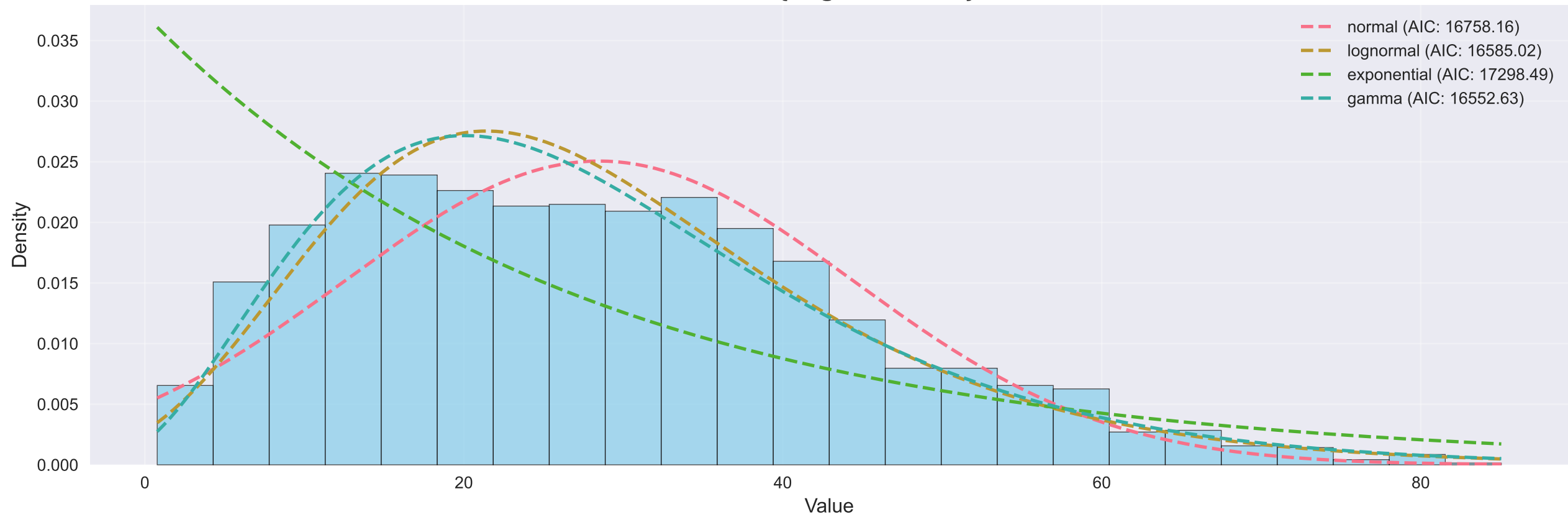
Statistics:
Count: 2,001
Mean: 28.48
Median: 26.75
Std Dev: 15.92
Min: 0.78
Max: 85.05
Skewness: 0.573
Kurtosis: -0.126

Normality Tests:
Shapiro: stat=0.969, p=0.000, normal=False
Anderson: stat=13.679, p=5.000, normal=True
Ks: stat=0.056, p=0.000, normal=False

Box Plot

Q-Q Plot (Normal)