Comprehensive Analysis: profit_margin
Filters: {'region': 'South'}
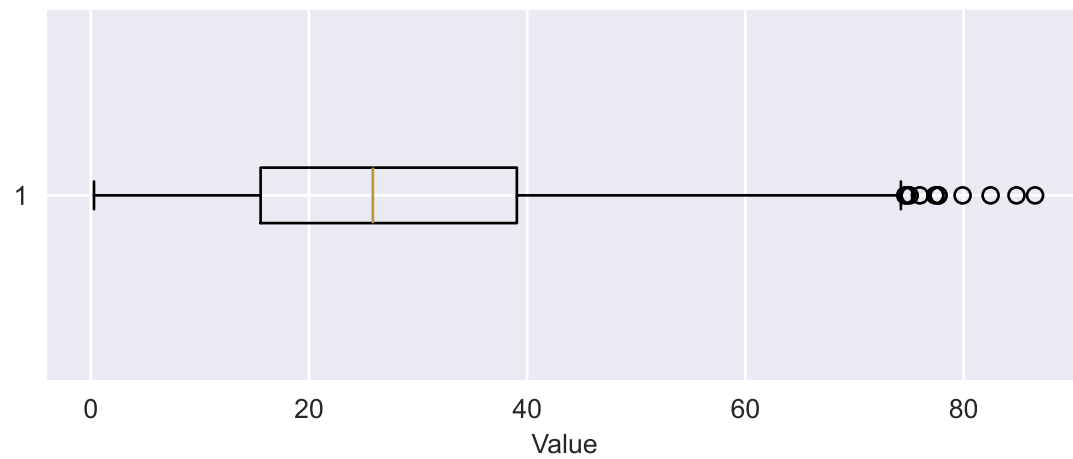
Legend:
- normal (AIC: 16640.62)
- lognormal (AIC: 16443.50)
- exponential (AIC: 17212.51)
- gamma (AIC: 16411.52)
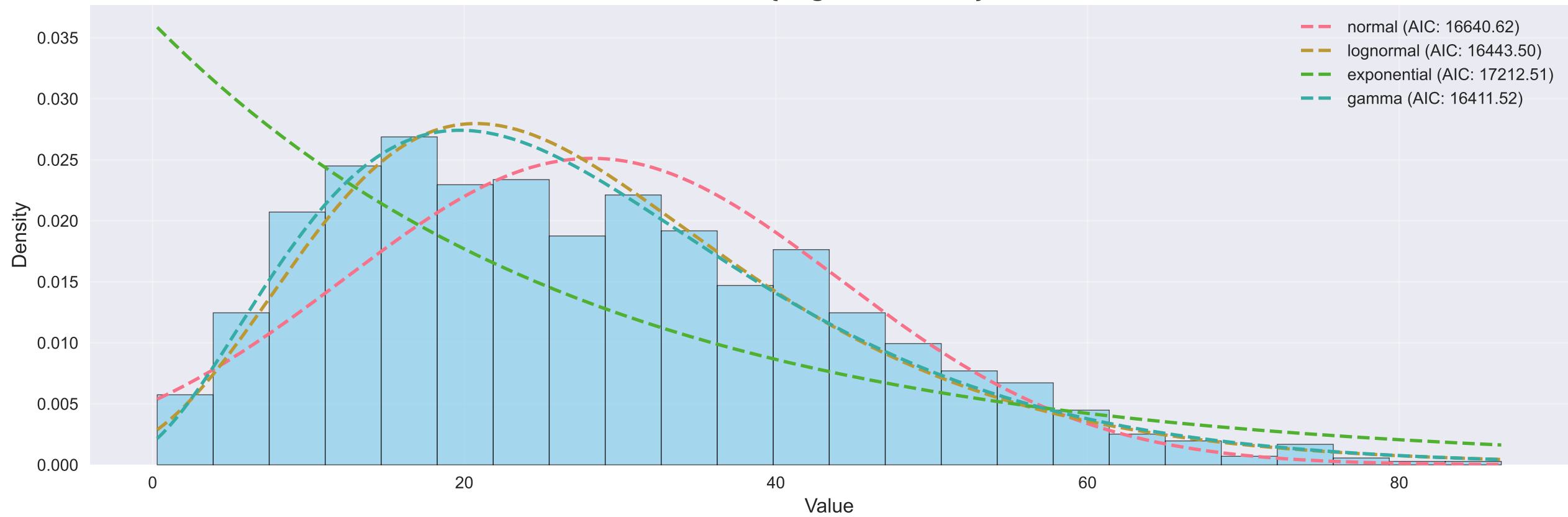
Statistics:
Count: 1,988
Mean: 28.18
Median: 25.86
Std Dev: 15.89
Min: 0.30
Max: 86.55
Skewness: 0.607
Kurtosis: -0.094

Normality Tests:
Shapiro: stat=0.967, p=0.000, normal=False
Anderson: stat=16.605, p=5.000, normal=True
Ks: stat=0.069, p=0.000, normal=False

Box Plot

Q-Q Plot (Normal)