1. Suppose that you own a wind farm with five wind turbines of the same type, and suppose that you have kept the records of their first failure times , which are 14, 6, 8, 11, and 9 months.
2. Construct a 95% (asymptotic) confidence interval for the probability that the wind turbine of this type functions without a failure for months after its installation.

Then,

Therefore, the 95% confidence interval is

1. Construct a *conservative* 95% (asymptotic) confidence interval for the probability that the wind turbine of this type functions without a failure for months after its installation.

The conservative assumption is

Then,

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