My First Stat Paper

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1 Math Expression and Equation

1. Here is the expression of natural basis of e

$$e^{i\pi} + 1 = 0 \tag{1}$$

   Equation 1 shows the relation between e and integer.

2. But we can express it as:

$$e = \lim_{n\to\infty} \left(1 + \frac{1}{n}\right)^n \tag{2}$$

$$= \lim_{n\to\infty} (t+1)^{\frac{1}{t}} \tag{3}$$

3. We can also express as: e as

$$e = \sum_{n=0}^{\infty} \frac{1}{n!} \tag{4}$$

2 Table

Table 1: Statistical Summary of Several Distributions

Statistic	N	Mean	St. Dev.	Min	Max
normal	10	0.152	0.655	−1.330	0.779
poisson	10	3.600	2.459	0	8
gamma	10	4.302	3.005	1.298	9.980

3 Figure

This is where the plot come from [1].

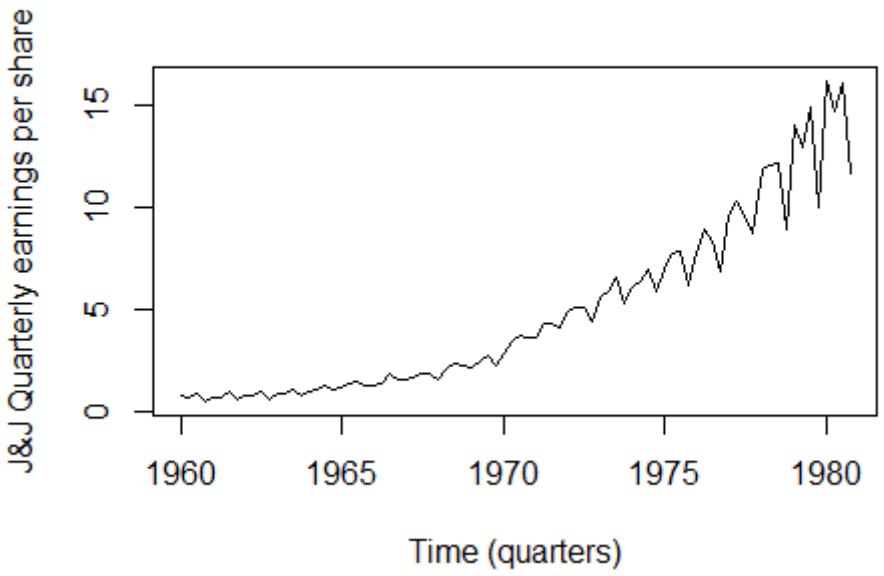

Figure 1: Time Series Plot for Quarterly Sales

References

[1] G Peter Zhang. Time series forecasting using a hybrid arima and neural network model. *Neurocomputing*, 50:159–175, 2003.