Rubin and Baddeley (1989) measured the proportion of participants who correctly recalled details from a past colloquium talk as a function of time in years. Let's assume there were N=100 participants. Then the data are as follows:

Time (years)	Number of correct recalls
0.05	38
0.25	26
0.30	22
0.60	20
0.95	11
1.30	7
1.40	16
1.60	10
1.80	8
2.50	5
2.70	1

- 1. Use maximum likelihood estimation to fit a power model (Model 1) and an exponential model (Model 2) to these forgetting data.
- 2. Plot the two models on top of the original data. Be sure to use different line types in R to distinguish your two models in the plot.
- 3. Compute the AIC for each model. Which is the better fit? Explain.
- 4. Compute the BIC for each model. Which is the better fit? Explain.
- 5. Use the BIC values to estimate a Bayes factor for the better model. What does this Bayes factor tell you?