Lansdale and Baguley 2008

Dilution as a model of long-term forgetting

These spreadsheets illustrate the application of the PD model to the recall experiments of Krueger 1929 (Fig 3); Postman & Riley 1959 (Fig 4); Slamecka & McElree 1983 (Fig 5); Runquist 1983 (Fig 6); and Rubin, Hinton and Wenzel 1999 (Fig 7). It then covers the recognition experiments of Shepard 1967 (Fig 9); Strong 1913 (Fig 10); Fajnsztejn-Pollack 1973 (Fig 11); and Rubin, Hinton and Wenzel 1999 (Fig 12).

In all cases, optimization was carried out using the Excel Solver Add-in and the opening of that function will reveal both the optimized goodness-of-fit parameter and the parameter cells being optimized.

We have stripped-out some additional material in these models to make them as easy as possible to interpret, but recognize they are complex. Interested users are welcome to email us at ml195@le.ac.uk (Mark Lansdale) or Thomas.Baguley@ntu.ac.uk (Thom Baguley).