Computing within the Cycle of Scientific Investigation

Gully APC Burns
Science is Cyclic

Questions → Protocol
interpretations → observations
Knowledge → Data
interpret → design
The way science is typically presented

A Scientific Statement

Dependent Variable (DV1)

Independent Variable (IV1)

Interpretation

Observations
Knowledge Engineering from Experimental Design (KEfED)
KEfED ‘in the wild’

Khan et al. (2007), J. Neurosci. 27:7344-60
[expt 2]
Links

• Main group page: http://bmkeg.isi.edu

• KEfED project page: http://www.bioscholar.org

• Paper: 

• Source: https://code.google.com/p/bioscholar/