**Caching Computations**

* **Literate (Statistical) Programming**
  + - An article is a stream of text and code
    - Analysis code is divided into text and code “chunks”
    - Each code chunk loads data and computes results
    - Presentation code formats results
    - Article text explain what is going on
    - Literate programs can be weaved to produce human-readable docs and tangled to produce machine-readable documents
* **Literate programming requires**

1. A documentation language (human readable)
2. A programming language (machine readable)

* Therefore cacher – cachepackage

**Case study: Air Pollution**

**Case study: High Throughput Biology**