***Notes for Thesis:***

***Principles of Data Mining (David Hand,Heikki Mannila & Padhraic Symth):***

* Memory Hierarchy Pg.400

There are different layers of memory, some of which are faster than others to access.

1. Registers of the processor:

Less than 100 of these. No slowdown associated with accessing these

1. On Processor or on-board cache:

Fast semiconductor memory implemented on the same chip as the processor or residing on the motherboard. Size 16-1000Kb. Access Time ~20ns.

1. Main Memory:

Normal Semiconductor memory 16MB – several gigs. Access time ~ 70ns

1. Disk Cache:

Semiconductor memory implemented as an intermediate storage between the main memory and disks

1. Disk Memory:

Size varies up to hundreds or thousands of Gb. Access time ~ 10ms

* String Databases Pg.420

Relational databases not suited to string dbs.