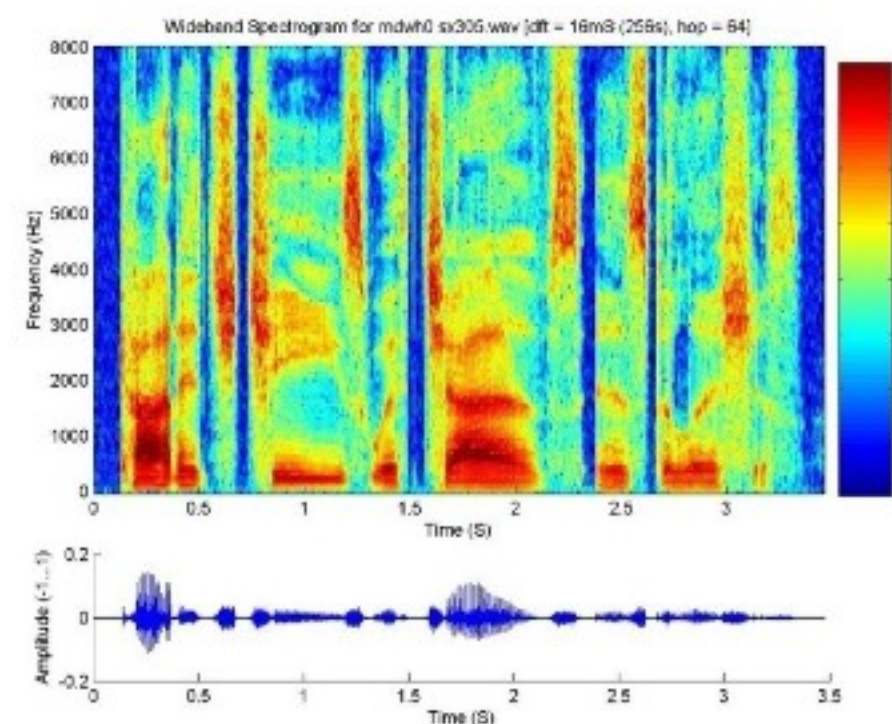
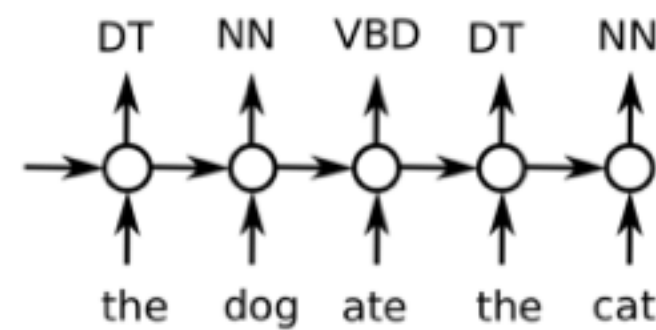


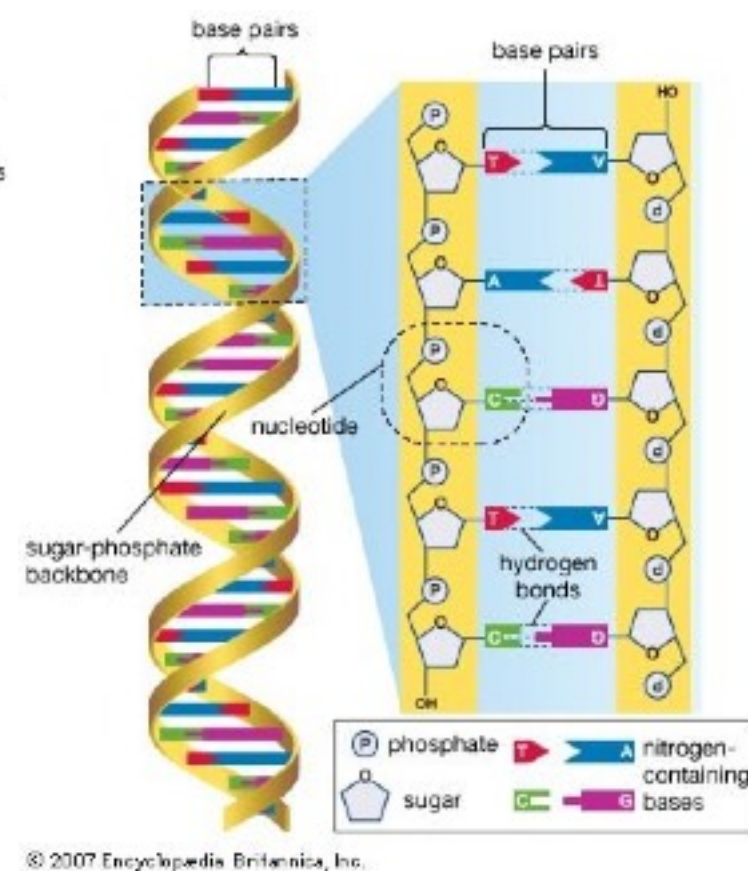
Structured Data

Here, there and everywhere

Sequences

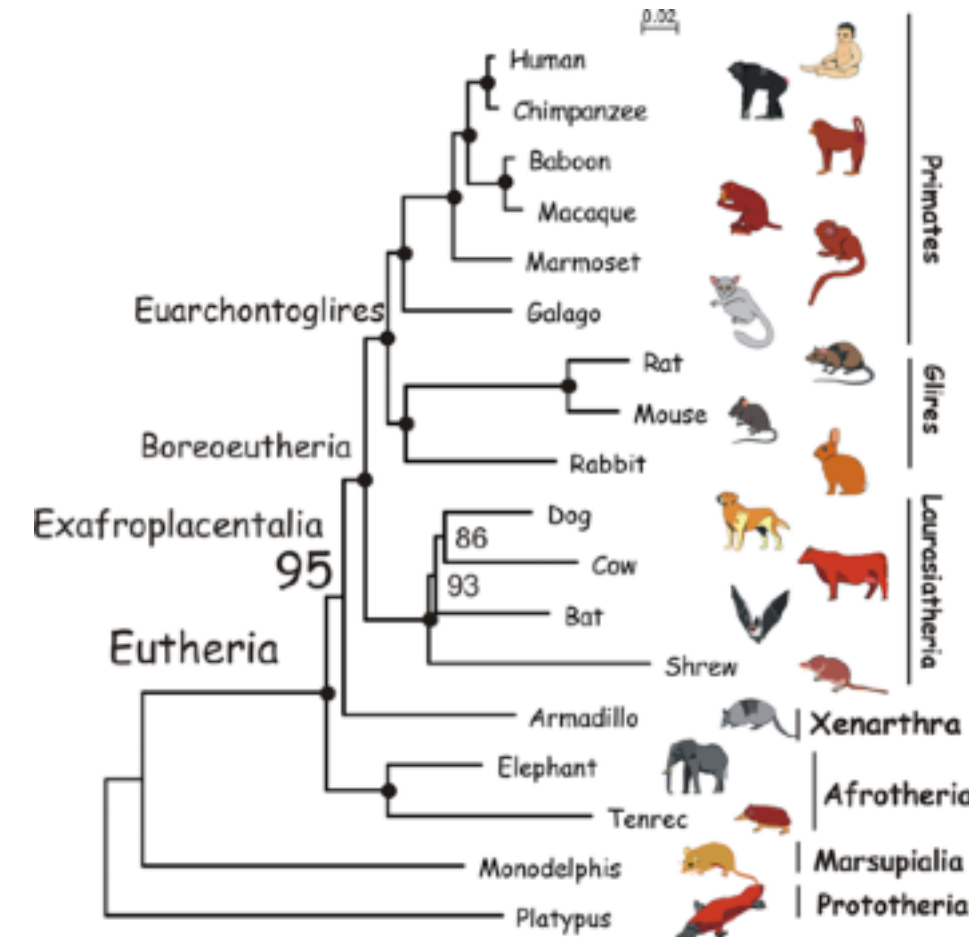
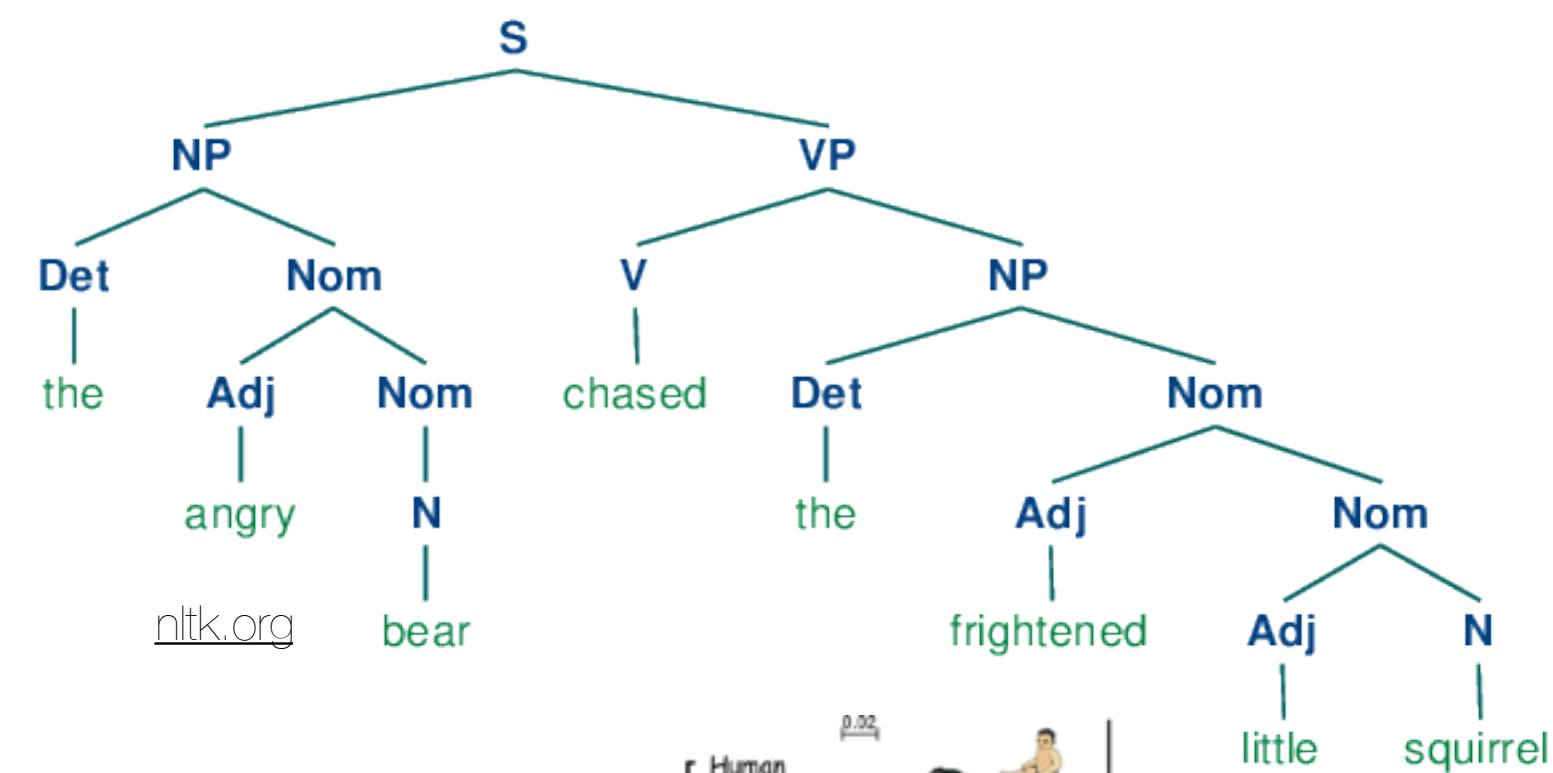


Columbia U. E6820



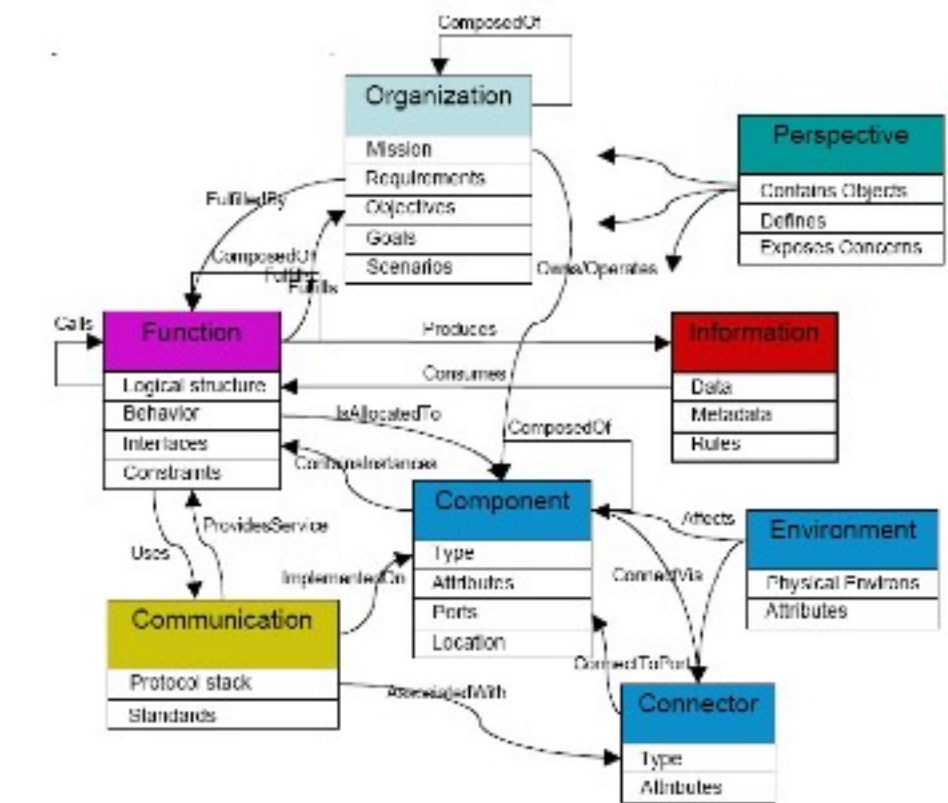
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Trees/Hierarchies

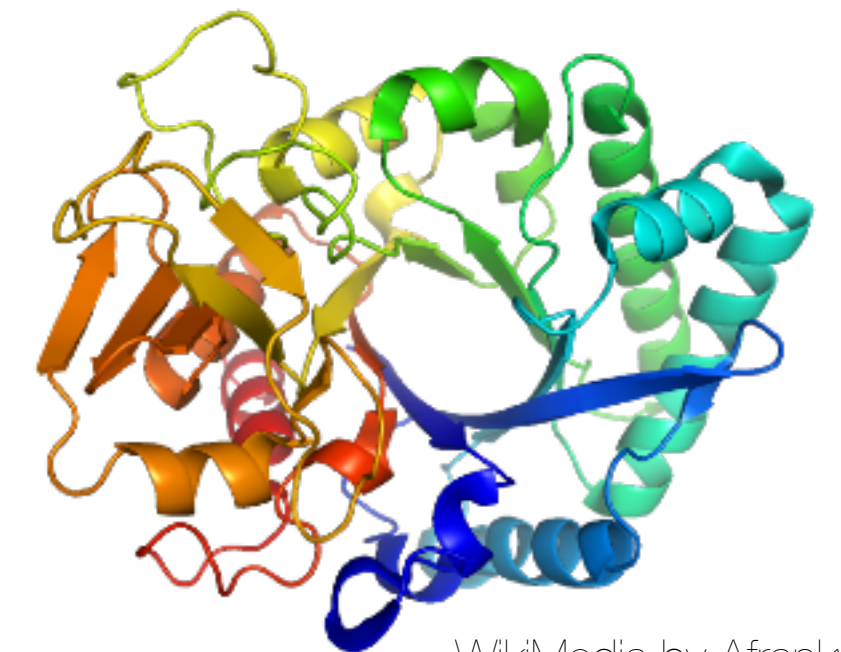
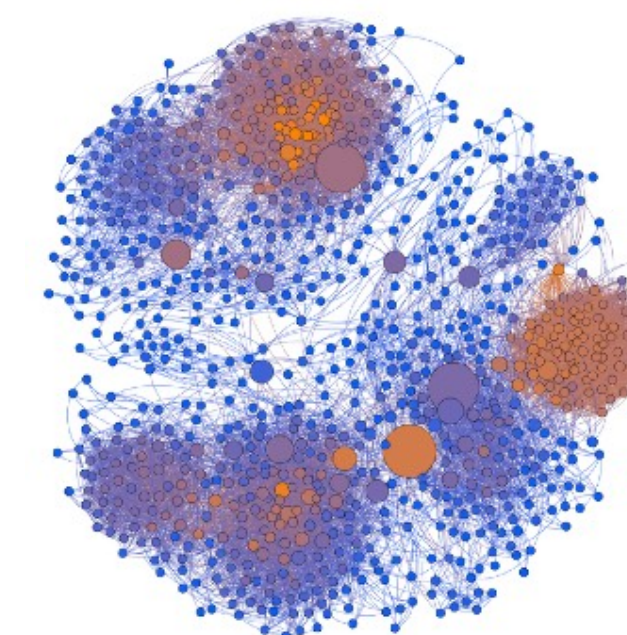


Montoya-Burgos et al., 2007

Networks/Graphs/Molecules



By Peter Shames & Joseph Skipper. NASA, JPL



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| Learning with Structured Data

- How do we **represent** the objects (computationally)?
- How do we **operate** on them? E.g.: