Going Meta #16: Semantic Similarity Metrics in Taxonomies

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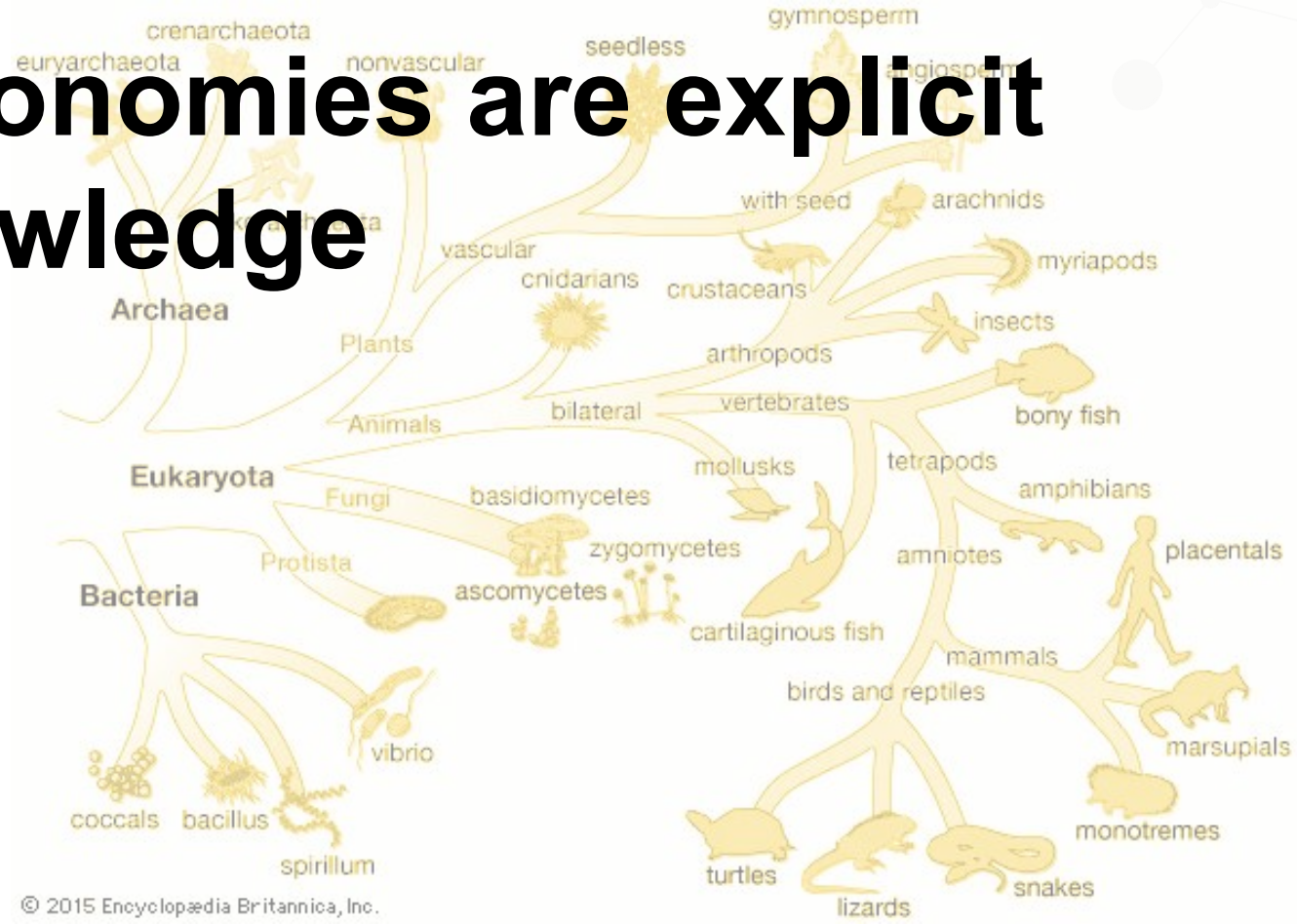
Taxonomies are explicit knowledge



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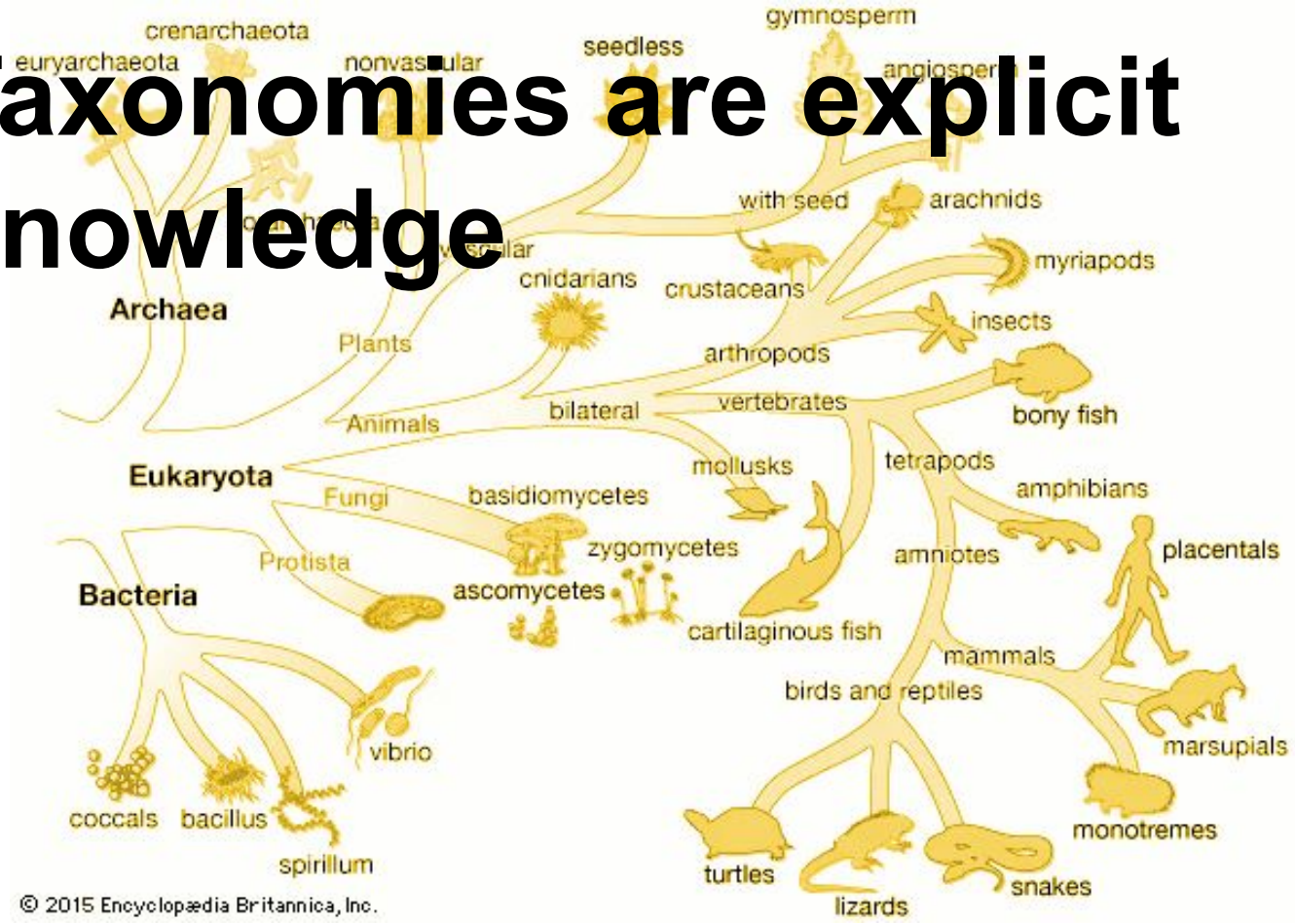

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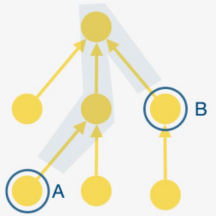
Python Code

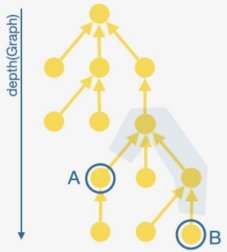
Path Similarity

$$sim(a, b) = \frac{1}{1 + dist(a, b)}$$



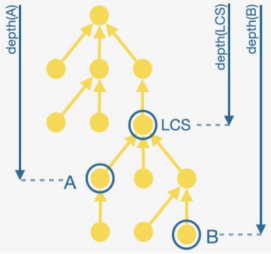
Leacock-Chodorow

$$sim(a, b) = -\log \frac{dist(a, b)}{2 \times Depth(T)}$$



Wu-Palmer

$$sim(a, b) = \frac{2 \times depth(LCS(a, b))}{depth(a) + depth(b)}$$



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