

Mining Word Associations: General Ideas

- **Paradigmatic**
 - Represent each word by its context
 - Compute context similarity
 - Words with **high context similarity** likely have paradigmatic relation
- **Syntagmatic**
 - Count how many times two words occur together in a context (e.g., sentence or paragraph)
 - Compare their co-occurrences with their individual occurrences
 - Words with **high co-occurrences but relatively low individual occurrences** likely have syntagmatic relation
- Paradigmatically related words tend to have syntagmatic relation with the same word ➔ **joint discovery** of the two relations
- These ideas can be implemented in many different ways!