

Summary

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Embedding learning

- Learns with ever expanding label set
- Used in many large scale DL applications

Example: Face recognition

- Fixed label set
 - Face detection
- Expanding label set
 - Face re-identification



Obama



Obama



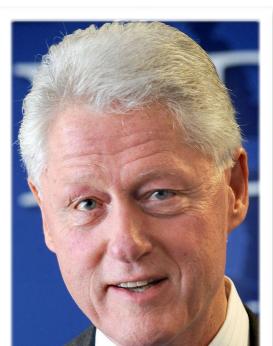
Clinton



same



different



Example: Image retrieval and visual search

- No fixed label set
 - Sometimes: No labels at all
 - Comparisons only

query



results

