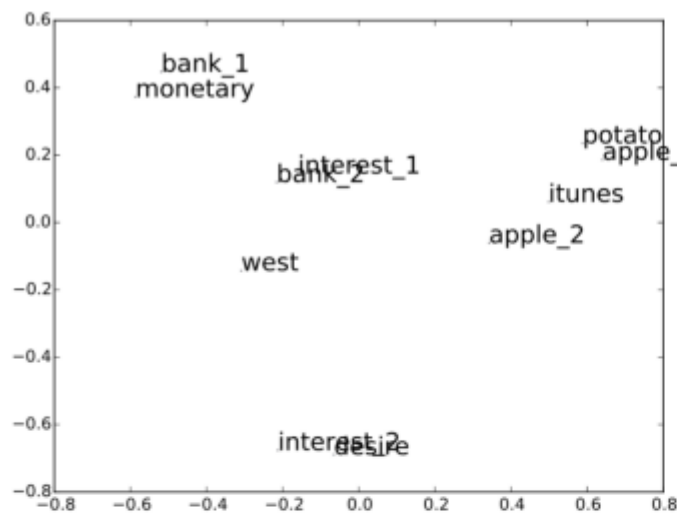


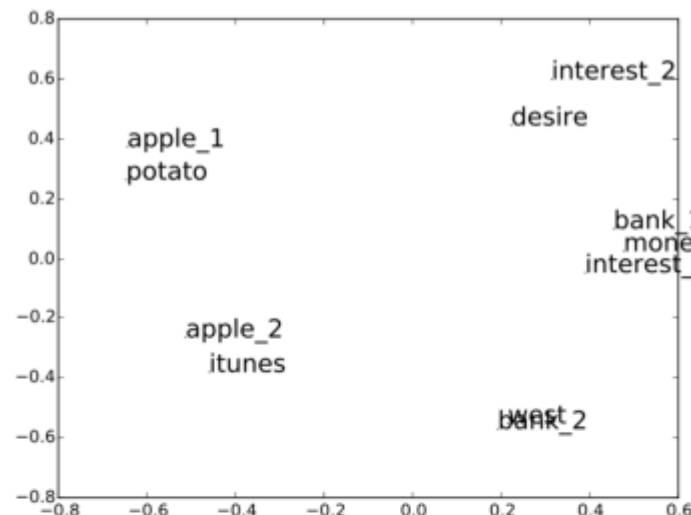
Qualitative: PCA plots for the vectors for {apple, bank, interest, itunes, potato, west, monetary, desire} with multiple sense vectors for apple, interest and bank

Qualitative Illustration



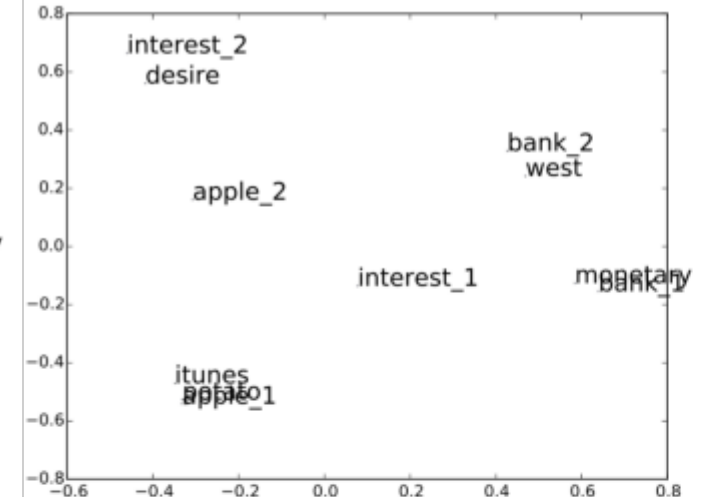
(a) Monolingual (En side of En-Zh)

with monolingual training the senses are poorly separated



(c) Multilingual (En-FrZh)

The senses of apple, interest, and bank are well separated, and are close to sense-specific words, showing the benefit of multilingual training.



(b) Bilingual (En-Zh)

with bilingual training, the model infers two senses of bank correctly, and two sense of apple become more distant.