Food Signal Processing
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Food-related actions

- foster social bonds
- facilitate communication
- promote emotional involvement
- increase collaboration effectiveness
- consolidate human relations
Food as a social signals

- infants learn to associate food with soothing and social interaction very early
- social relationships influence eating behavior
- eating behaviors can be a reflection or serve to strengthen relationships
Social signal processing (Vinciarelli et. al, 2009)

● developing methods to automatically detect nonverbal behavioral cues
● using such cues to infer attitudes, traits, social relations or social hierarchy from sensor data
Food Signal Processing

- machines will be able:
  - to process food-related actions
  - to socially interact with humans in food-related contexts