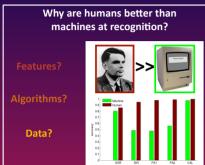
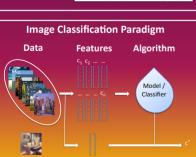
The Role of Features, Algorithms and Data in Visual Recognition

Devi Parikh, Toyota Technological institute, Chicago (TTIC)

Larry Zitnick, Microsoft Research (MSR), Redmond

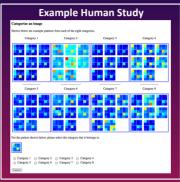


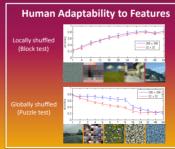


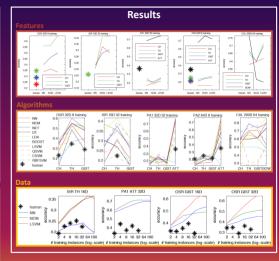
Experimental Set-up Datasets: OSR, ISR, PA1, PA2, CAL Features: CH (color hist), TH (texture hist), GIST, BOW (bag-of-words), ATT (attributes) Number training instances: 2, 4, 8, 16, 32, 64, 100(88 CAL) Number of dimensions: 4, 8, 16, 32, 64, 128, 256 Amount of noise: 0%, 25%, 50%, 100%, 200%

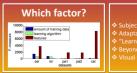












Discussion

- Subjects don't seem to use nearest-neighbor
 Adaptability (features, classification strategy)
- · "Learning"
- Beyond "Features": Semantic attributes, Multi-taskir