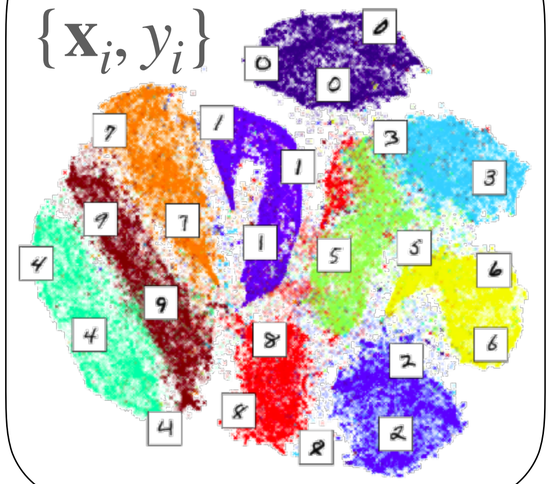
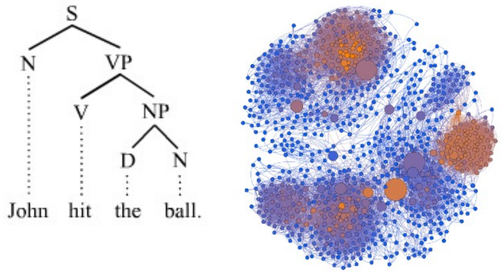
This Thesis:
a Summary

LABELS

$\{\mathbf{x}_i, y_i\}$

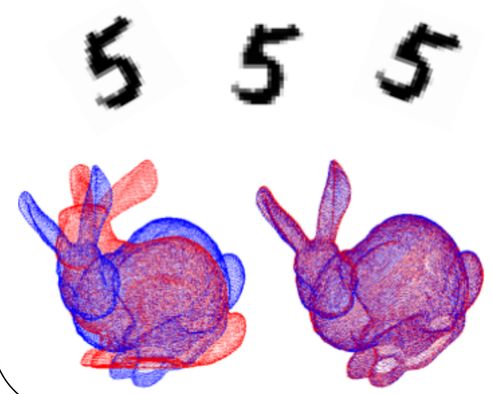


STRUCTURE



5'ATGACGTGGGGA3'
3'TACTGCACCCCT5'

GEOMETRIC INVARIANCES



Part I:
OT with
Structured Costs

AISTATS '18

Part II:
OT with
Global Invariances

EMNLP '18 & AISTATS '19

Part III:
OT over
Hyperbolic Spaces

In Submission

Limitations
and Extensions