



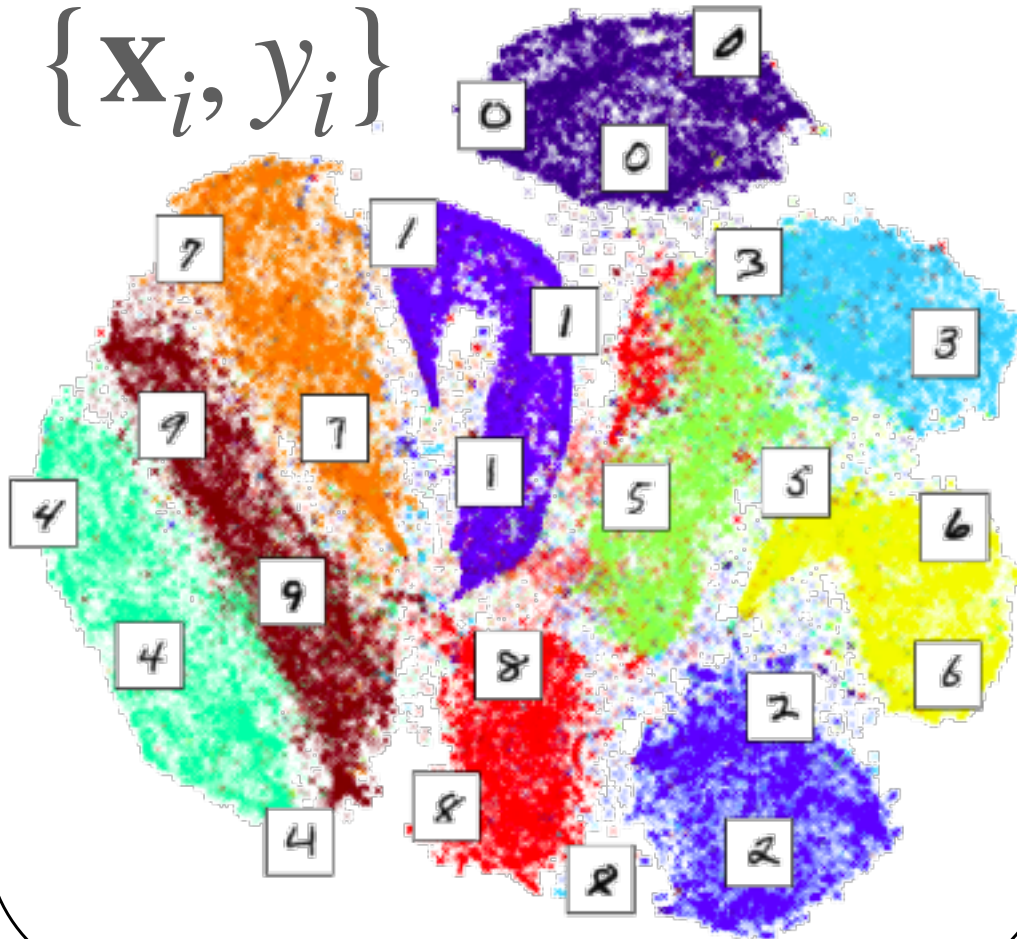


an overview

**This Thesis:**

# LABELS

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

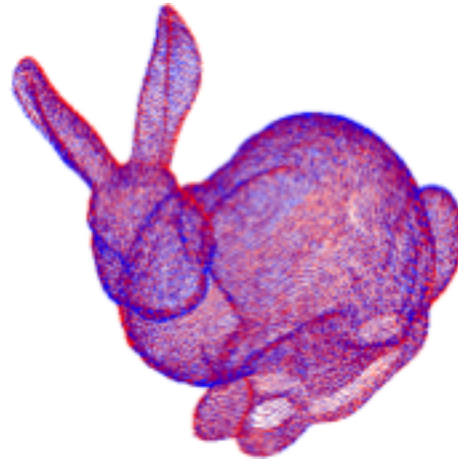
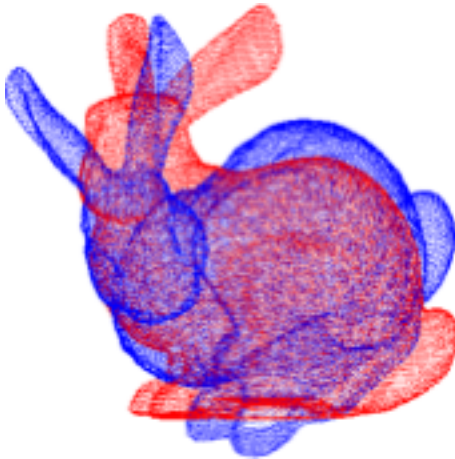


# GEOMETRIC INVARIANCES

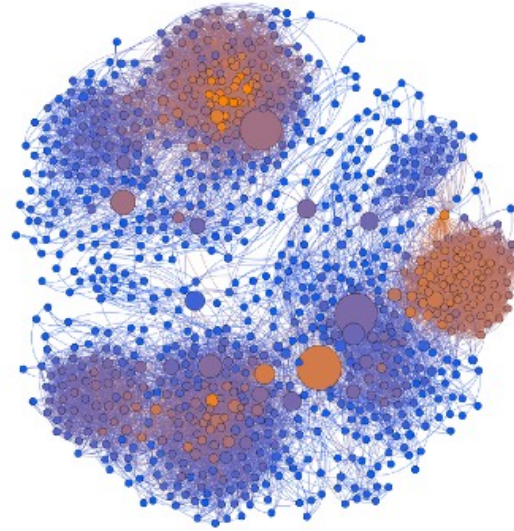
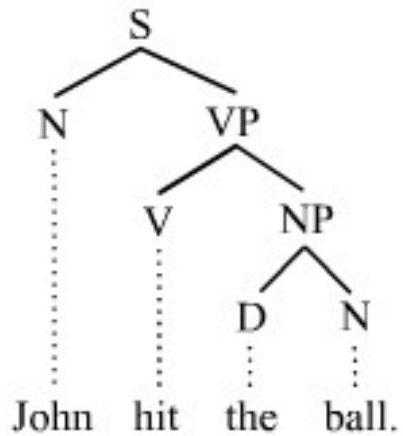
5

5

5



# STRUCTURE



5' ATGACGTGGGGA3'  
3' TACTGCACCCCT5'

**Part I:**  
OT with  
Structured Costs



# Part II:

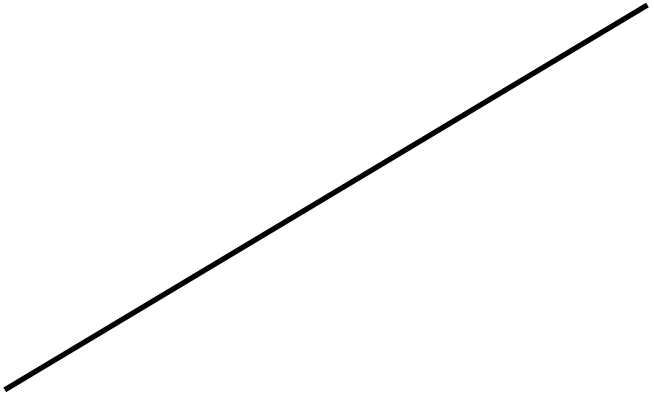
## OT with Global Invariances

**Part III:**  
OT over  
Hyperbolic Spaces

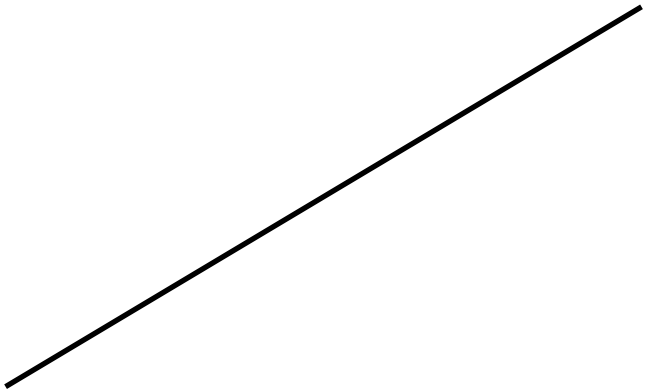
ASTARS! 18

ENVELOPE & ARTS' 19

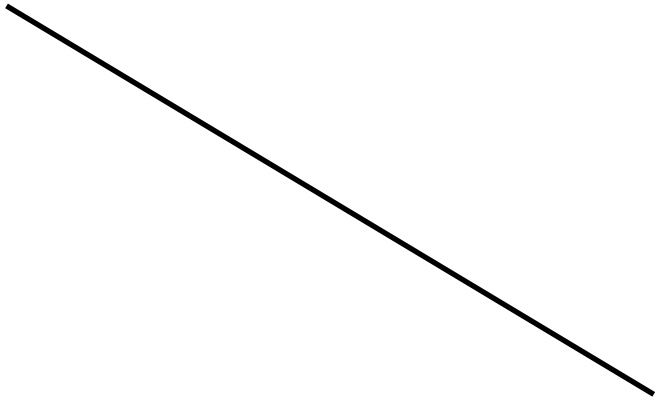
Handwritten Submission











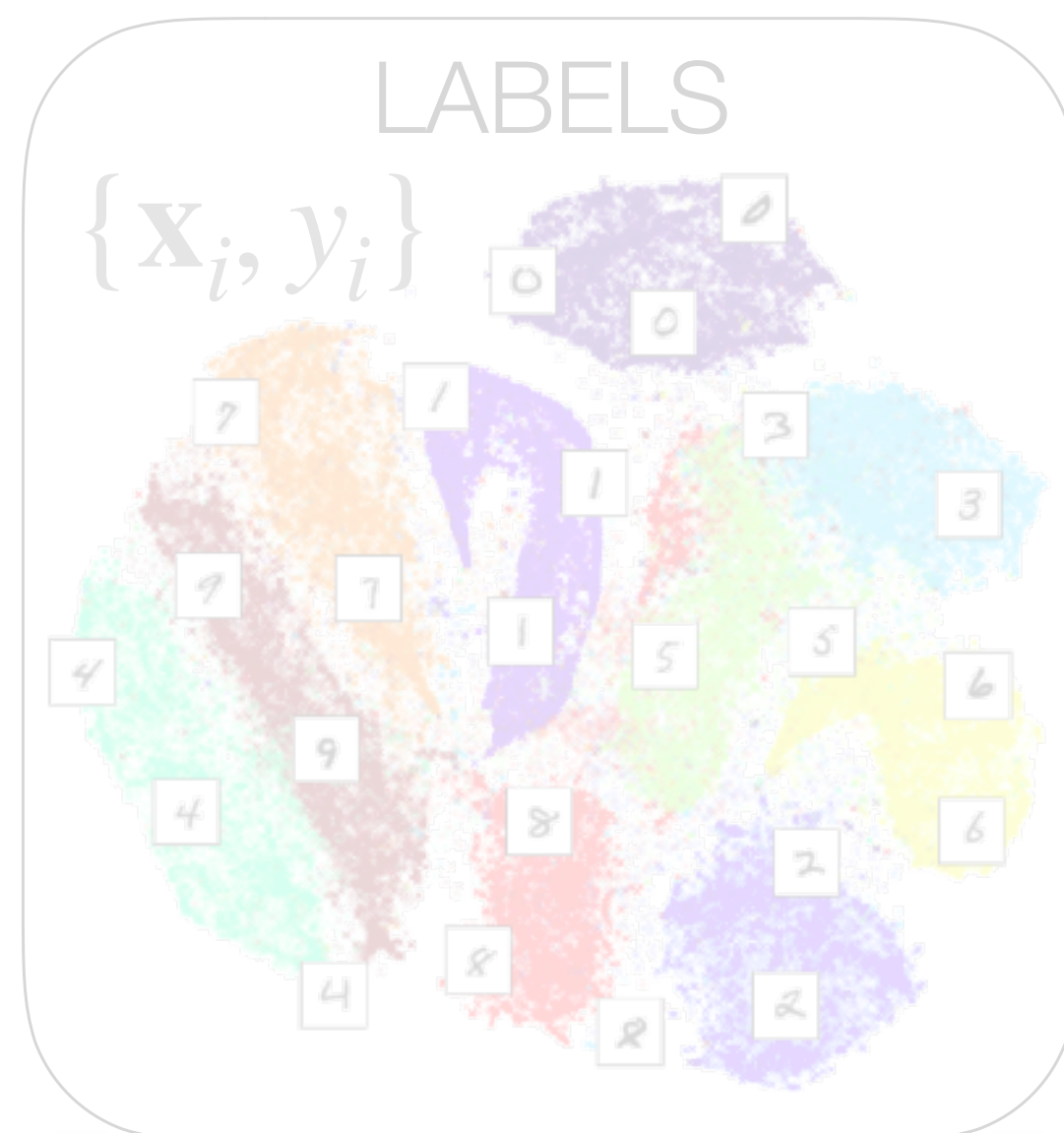






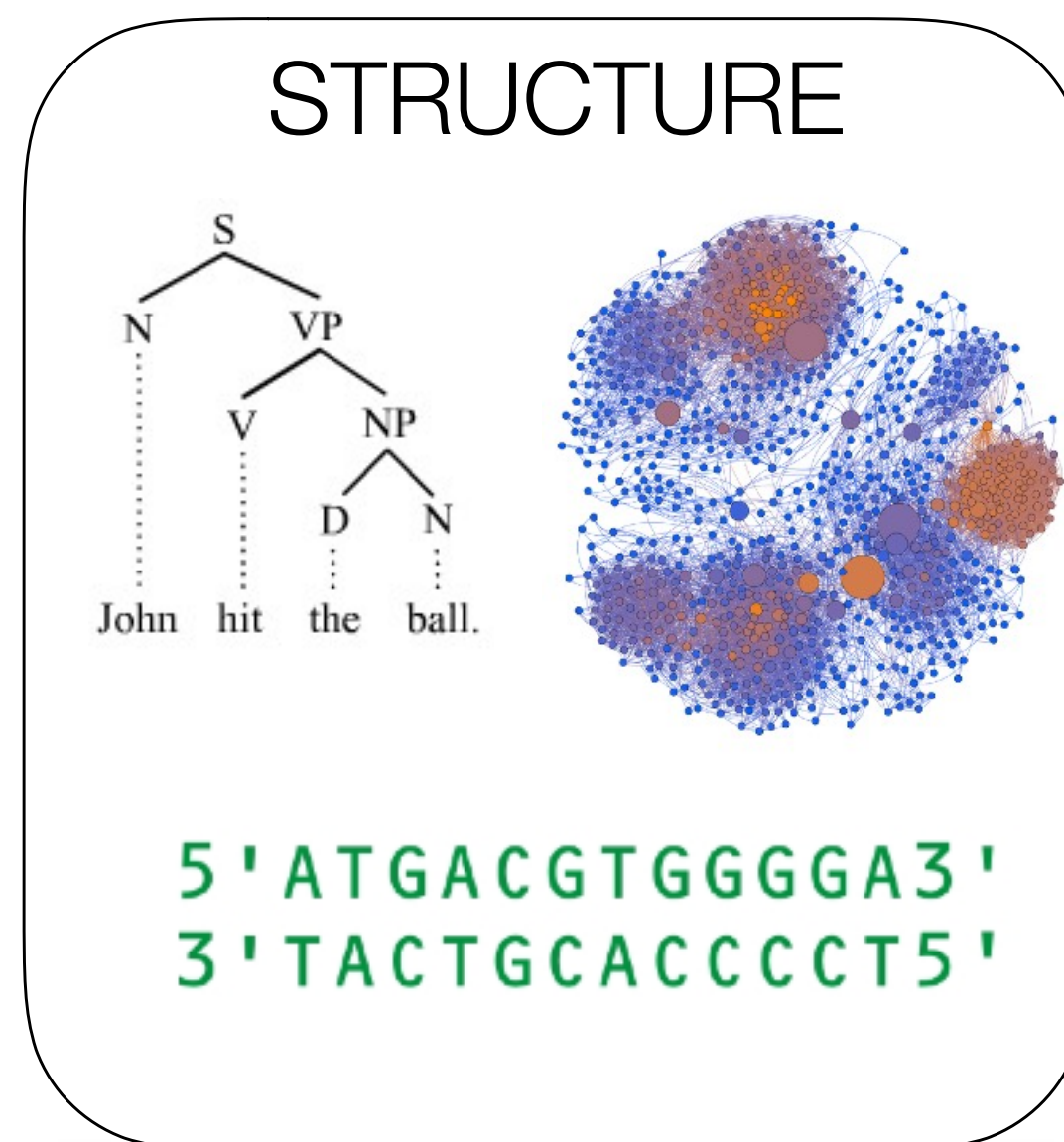


# This Thesis: an Overview



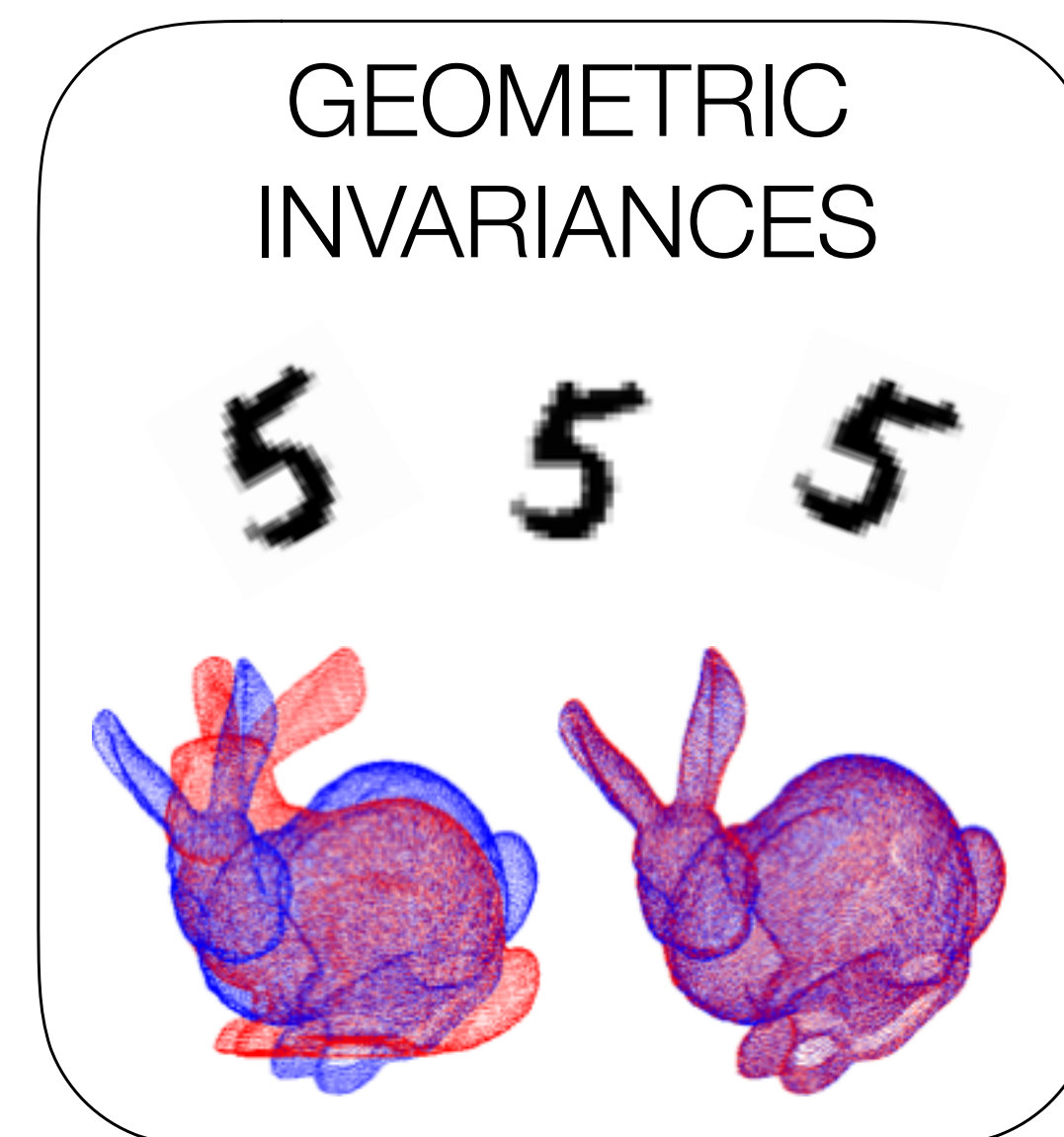
Part I:  
OT with  
Structured Costs

AISTATS '18



Part II:  
OT with  
Global Invariances

EMNLP '18 & AISTATS '19



Part III:  
OT over  
Hyperbolic Spaces

*In Submission*

# Part I: OT with Structured Costs