



2020-2021

The summary and

research plan

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Outline

- The summary of study situation
- Research plan



Summary

- Research methods of Computer Science (**thesis/paper**)
- Machine Learning 、 Deep Learning
- Knowledge Graph
- Ubuntu、 Pycharm、 Python
- Self-directed learning + writing notes

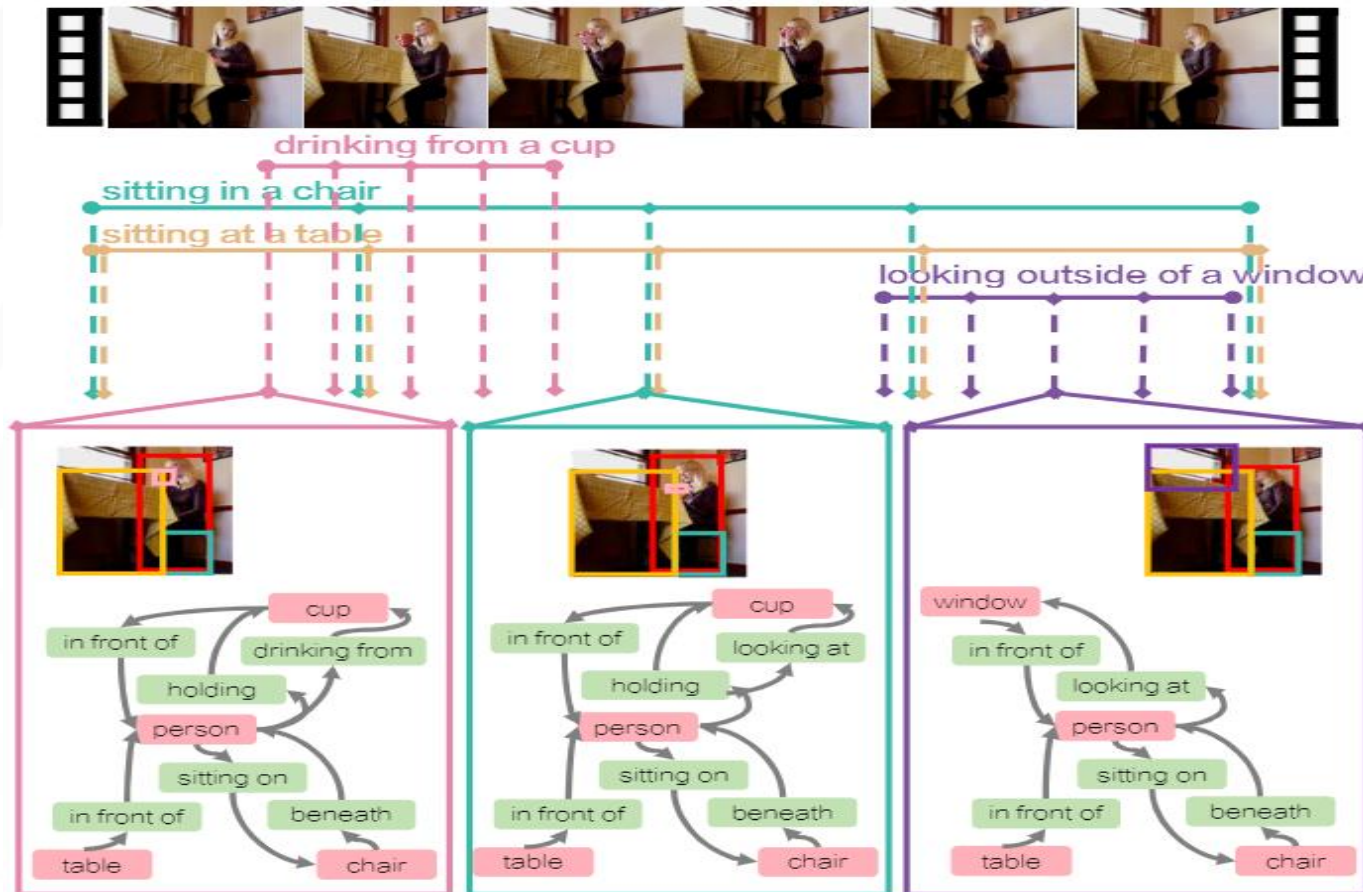


Research Plan

- Spatio-temporal Scene Graphs
- Loss Function
- Pytorch Geometric Temporal

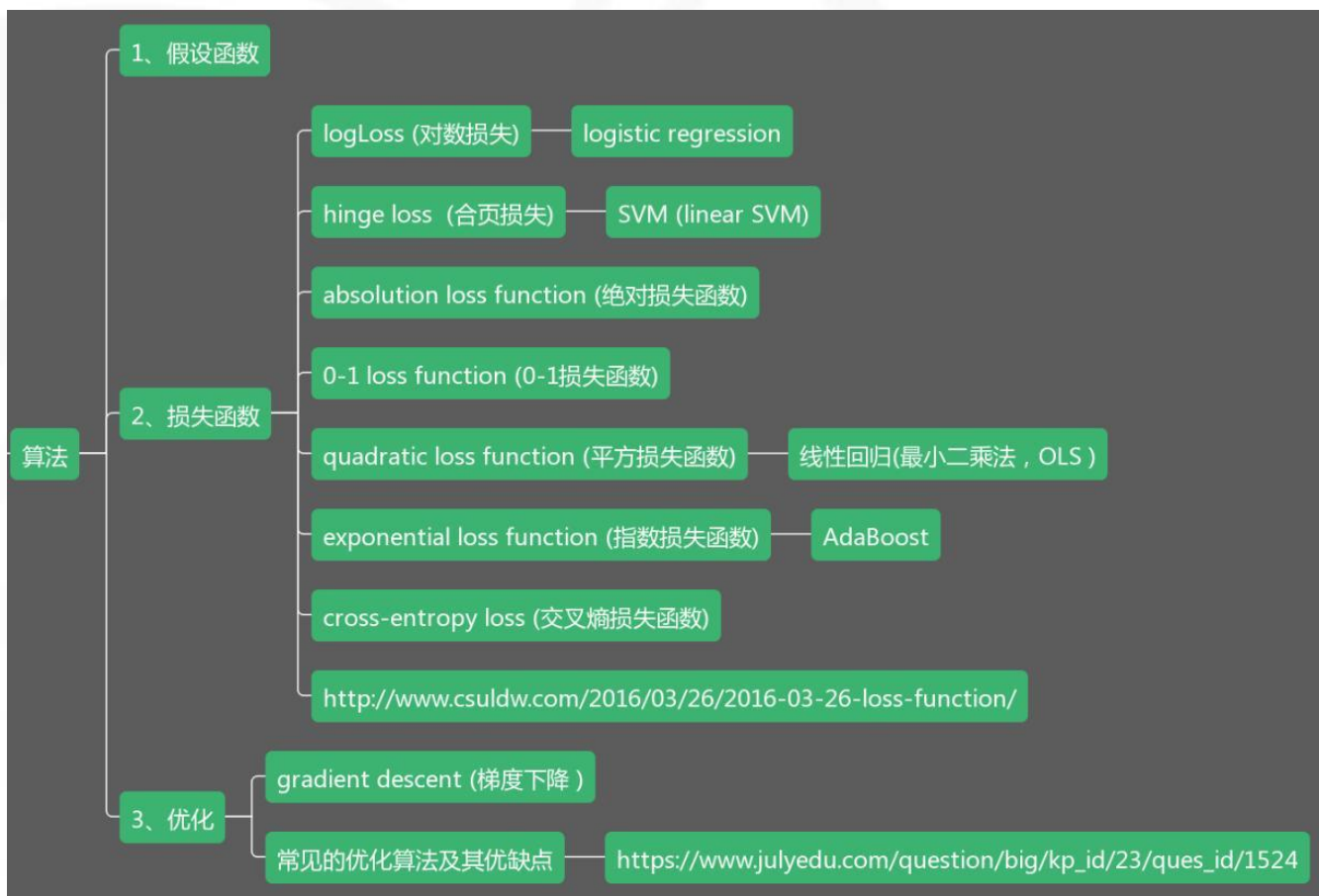


Spatio-temporal Scene Graphs



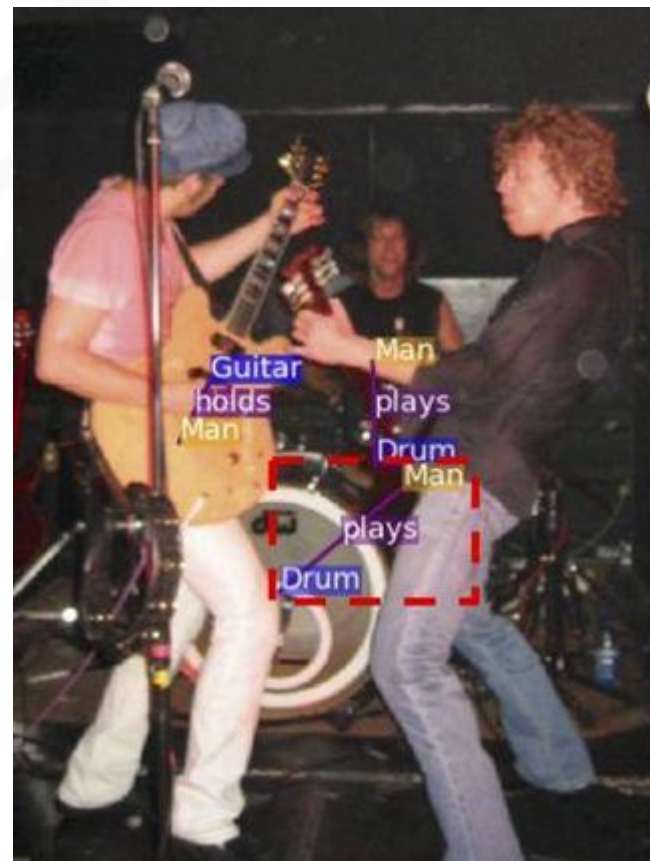
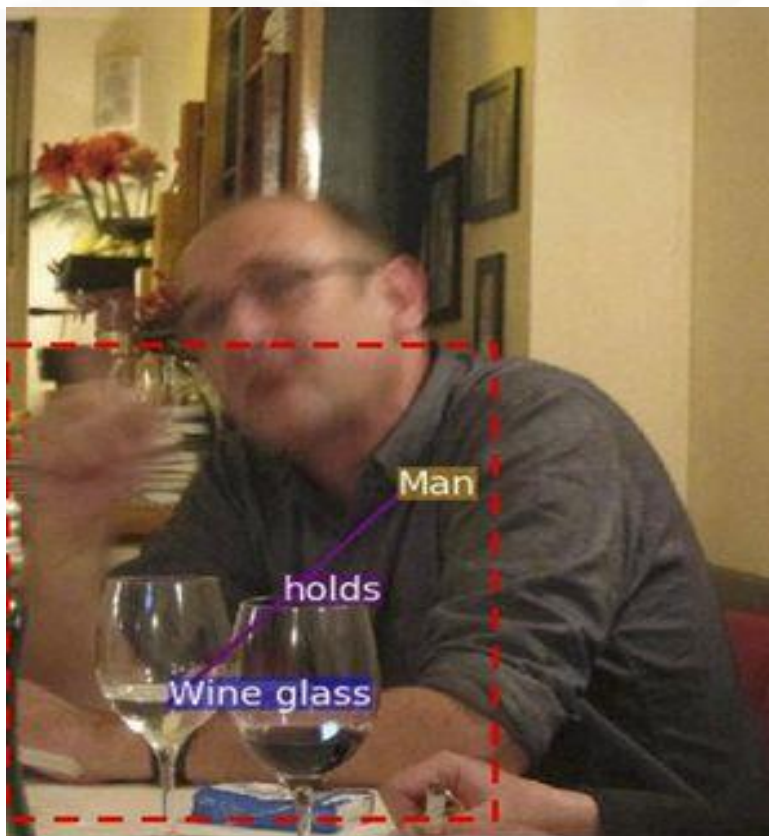


Loss Function





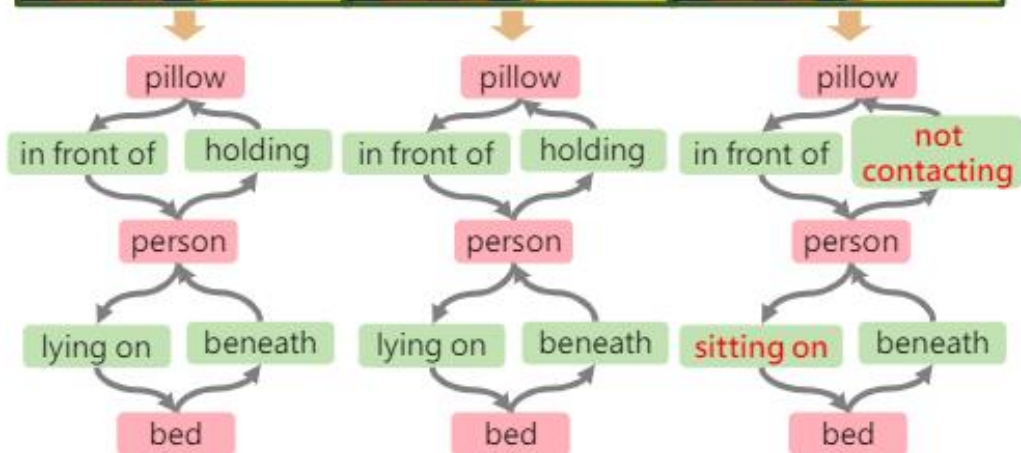
Loss function at work





Pytorch Geometric Temporal

Ground truth: Awakenning in bed,
Lying on a bed, Snuggling with a pillow



LFB top-3:
Lying on a bed,
Watching television,
Holding a pillow

Our top-3:
Lying on a bed,
Awakenning in bed,
Holding a pillow



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Thank you !