



Social Relationship *Recognition*



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OUTLINE

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AREA OF RESEARCH

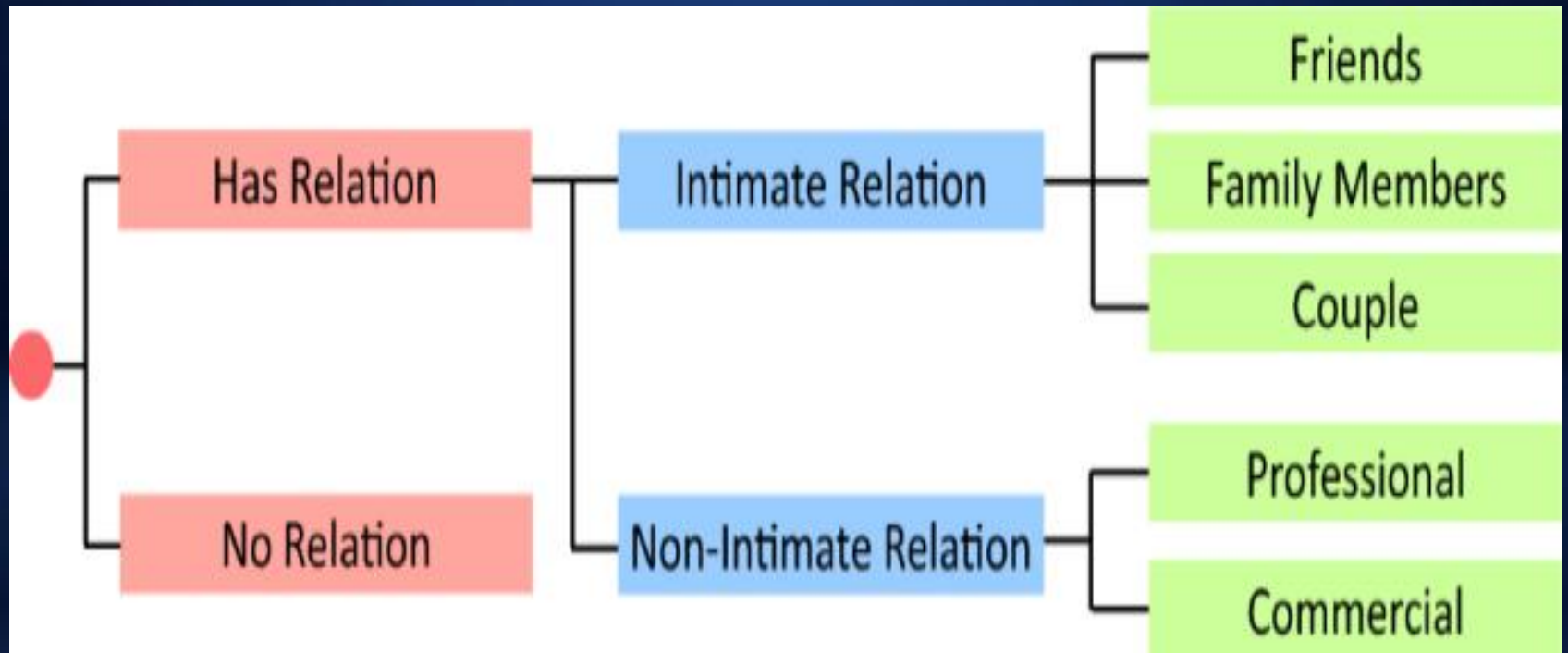
Machine Learning and Hybrid Deep Neural Network

CONFERENCE PAPERS





Work Break Down Structure





INTRODUCTION

- Social relationships are the foundation of the social network in our daily life. Nowadays, as intelligent and autonomous systems become our assistants and co-workers, understanding such relationship among persons.
- In Computer vision community, social information has been considered as supplementary cues to improve various task including multi-target tracking, human trajectory prediction and group activity analysis.
- To capture visual patterns exhibited in these relationships, facial appearance, attributes and landmarks are extensively explored for kinship recognition and varification.



MOTIVATION

- Healthy relationships support good mental health.
- Affiliation
- Aggression
- Achievement
- Approval
- Power



ISSUES AND CHALLENGES

- Difficulty making/maintaining friendships
- Inability to gain attention from others in appropriate ways.
- Lacks friends/companions
- Reduce confidence in groups
- Inappropriate behaviours
- Difficulty sharing



OBJECTIVE

- Healthy relationships support good mental, while social isolation and poor relationships can be risk factors for mental health.
- It provide the sense of connection.
- Support.
- Overall better health.



REQUIREMENT

- ☐ Processor: Min. core i3
- ☐ Operating System: window 7/8/9/10/XP
- ☐ RAM: Min. 1GB
- ☐ Hardware Devices: Laptop/PC
- ☐ Hard Disk : 256GB



REFERENCES

- <https://paperswithcode.com/task/visual-social-relationship-recognition>
- https://www.researchgate.net/publication/339011866_Visual_Social_Relationship_Recognition



THANK YOU!!!