

Brainstorming a Paper

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IMPA

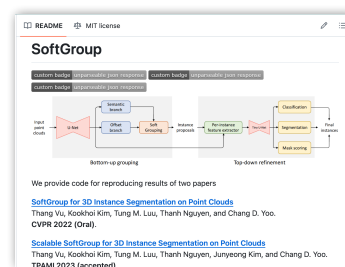
PaperJam Session

Outlook

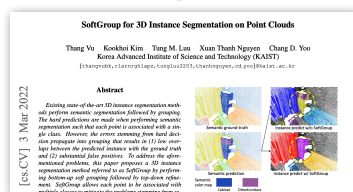
- The Paper
- Code & Data

A Paper

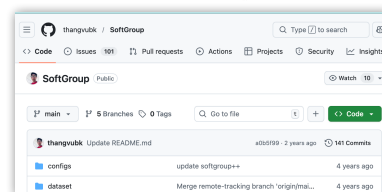
- It's more than you may think



Project



Paper



Code

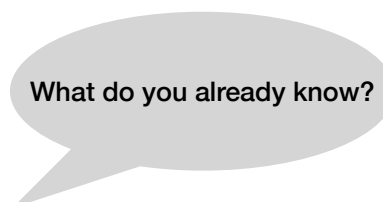
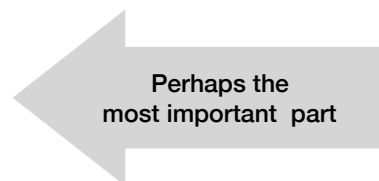
Reading a Paper

Standard Structure

- Overview
 - Context & Contributions
- References
 - Previous Work
- Method
 - Key Ideas
- Implementation
 - Technical Details
- Evaluation
 - Ablations & Comparisons

Study Plan

- Previous and Related Work
 - Important References
 - Classification of Methods
- Method Overview
 - Key Ideas / Basic Concepts
 - General Structure
- Technical Understanding
 - Each Component in Detail
- Analysis / Validation
 - Benchmarks



Playing with Code

- Get the Repository
- Install the Environment
- Download the Datasets
- Run all Demos
- Execute Main Tests

Development Methodology

- Basic Routine
 - Training
 - Fine-Tuning
 - Testing / Evaluation
- Need to Know
 - Scripts & Parameters
 - Data Characteristics
- Using it for R&D
 - Test with New Datasets
 - Visualization

Hardware:
- Compute (GPUs)
- Storage (Discs)

Software:
- Environment (IDEs)