

COMP9517 Project

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<https://github.com/hharryyf/COMP9517-24T2-tutoring>
<https://github.com/bhaswara/CVLab/>

Dataset

- WildScenes: images of Australian forests
- 5 sequences
- 9306 2D images of size 2016×1512 pixels
- Dataset can be accessed here:
`https://data.csiro.au/collection/csiro:61541`

Dataset (cont.)

- Dataset directory
 - Images < *timestamp* > .png: original images
 - IndexLabel < *timestamp* > .png: pixel of range 0-14
 - Label < *timestamp* > .png: human-readable label
- To find out the label for each class, check
 - The GitHub page
 - WildScenes/wildscenes/tools/utls2d.py

Testing

- You can use any segmentation method
- Report the mIoU in your report $\frac{|S_{\cap T}|}{|S_{\cup T}|}$

Marking remarks

- Introduction: answer the questions what/why/how
- Method: some novelty is expected
 - Don't reuse existing models directly
- Results: mIoU and any other evaluation metrics should be included
 - Round the data to 2 decimal places
 - Do not use screenshots for the tables
- Conclusion: summarize the paper and discuss some future work

Marking remarks

- Make sure you use the provided templates
 - <https://www.ieee.org/conferences/publishing/templates.html>
- Follow the 10 pages page limit for the paper
- Follow the 10 minutes time limit for the demo
- **Do not speed up the video**
- For the software demo, it's more like "implementation details"
 - Suggestion: use flow diagram + clear screenshots to illustrate the training/testing procedure
 - Don't just share screen and run the jupyter notebook silently
 - Some explanation is expected

Demo