CSCM45 Big Data and Machine Learning

Coursework 2: Object Recognition

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2 Pages max

**Introduction**

Provide an overview of the problem, your proposed solution, and your experimental results.

**Method**

Present your proposed method in detail. This should cover how the features are extracted, any feature processing you use (e.g. clustering and histogram generation, dimensionality reduction), which classifier(s) is/are used, and how they are trained and tested. This section may contain multiple sub-sections.

**Results**

Present your experimental results in this section. Explain the evaluation metric(s) you use and present the quantitative results (including the confusion matrix).

**Conclusion**

Provide a summary for your method and the results. Also, provide your critical analysis; that is the shortcomings of your method and how they may be improved.

**References**

Include references where appropriate. References are not included in the page limit.

Submission

Submit your work electronically to Blackboard. Your report should be in PDF format only. Compress your Python source code and report into a Single Zip file. The deadline for this coursework is 11AM Monday 9th December.