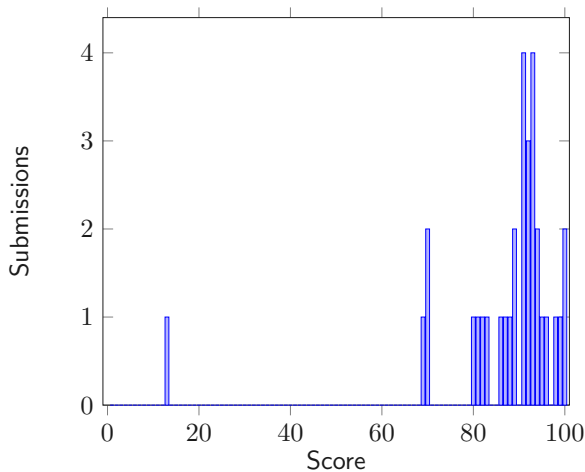# Deep Learning for Visual Computing

Assignment 1 Recap

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Image by Neuroscape Lab

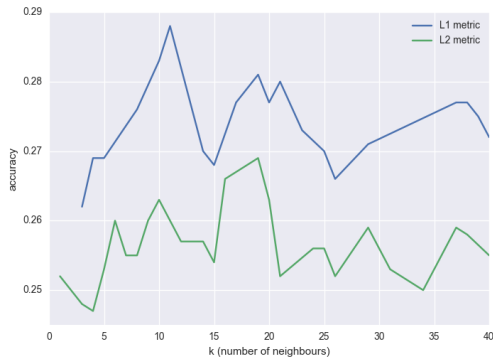# Score Distribution (Median: 90)

Programming Languages

All groups used Python (yay!)

Programming Languages

Do not upload datasets to your home folder

All required datasets are already there

Remarks

Tables or script output do not count as visualizations

Remarks

Don't just explain what you did, but also why

"We performed a random hyperparameter search with 20 trials"

- ▶ Random search works by …
- ▶ Approximative search methods required because …

Remarks

Do not add "non-general" code to abstract classes

- ▶ Reduces flexibility
- ▶ Want something you can reuse later

Best practice: do not add any code to those classes

- ▶ Consider them pure interface definitions
- ▶ Use delegation to reuse code, not inheritance

Remarks

Keep general classes as general as possible to promote reuse

```python
# bad, works only for 3072D vectors with specific RGB encoding
def devectorize(self, fvec):
    return fvec.reshape(3, 32, 32).transpose(1, 2, 0)
```