REPLACE WITH YOUR TITLE

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Figure 1. Illustrate your task and/or approach

1. Project Task

Describe and illustrate the task you are solving, e.g. “the goal of our project is to recognize digit strings in natural images like those shown in Fig. 1.” Say what is difficult about the task.

2. Related Work

Describe existing approaches, if any, citing them in the References section using the scientific citation format, e.g.: “Recurrent networks for digit string recognition were proposed in [1].”

3. Approach

Outline the approach you plan to take/have taken so far in detail, using diagrams, equations and defining all notation. Include equations to specify: the input, the output, the loss function. If you plan to re-use existing libraries or implementations, say which ones, and say what additional code you will write for the project. Note, it is okay to change your approach later in the project, if necessary.

4. Dataset and Metric

Describe your dataset, and how many training, validation and test examples it has. Describe any data pre-processing needed and any additional data collection or annotation you have done. Illustrate with examples.

Define the metric you will use to evaluate success, e.g. “classification accuracy, defined as (include equation)”. State explicitly how you will measure success, e.g. “we hope to show that our method can achieve accuracy higher than the 70% achieved by the baseline method.” If you do not have a baseline method, use a random guess baseline, eg. 10% accuracy for a 10-class task.

5. Preliminary Results

If this is an update, talk about the progress you have made so far, specifically, what code implementation has been completed, and what preliminary results you obtained on your dataset. Include plots to illustrate your results, e.g. test accuracy as function of iterations, scatter plots of the data clusters, etc.

6. Timeline and Roles

Note, each teammate should be assigned some non-trivial coding task.

Task	Deadline	Lead
Implement X	MM/DD/YY	Team Mate1
Implement Y	MM/DD/YY	Team Mate2
Run tests Z	MM/DD/YY	Team Mate1
...		
Prepare report and presentation		all

References

1) K. Gregor, I. Danihelka, A. Graves, D. Jimenez Rezende, D. Wierstra. DRAW: A Recurrent Neural Network For Image Generation, arXiv.org, 2015.
2) G. Hinton and R. Salakhutdinov. Reducing the dimensionality of data with neural networks. Science, 313(5786):504–507, 2006.
3) S. Hochreiter and J. Schmidhuber, Long short term memory. Neural computation, 9(8):1735–1780,1997.