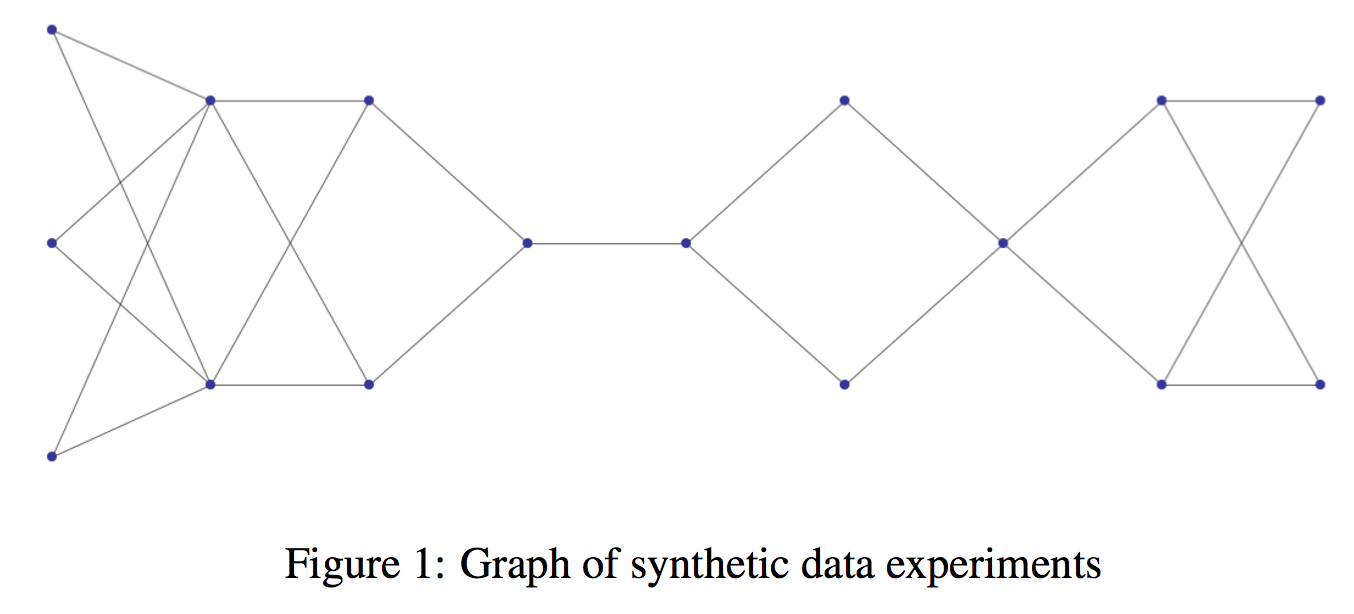
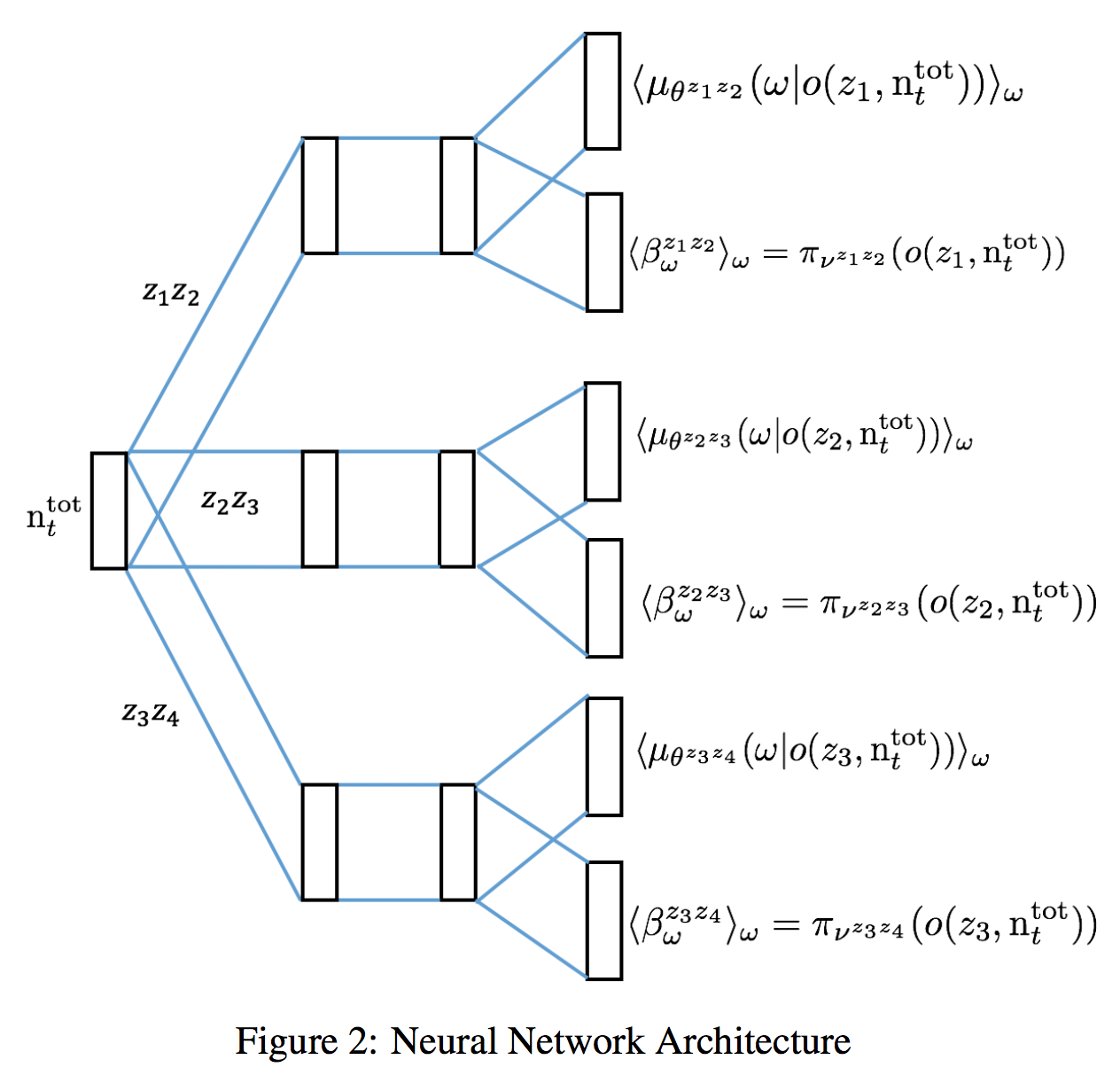
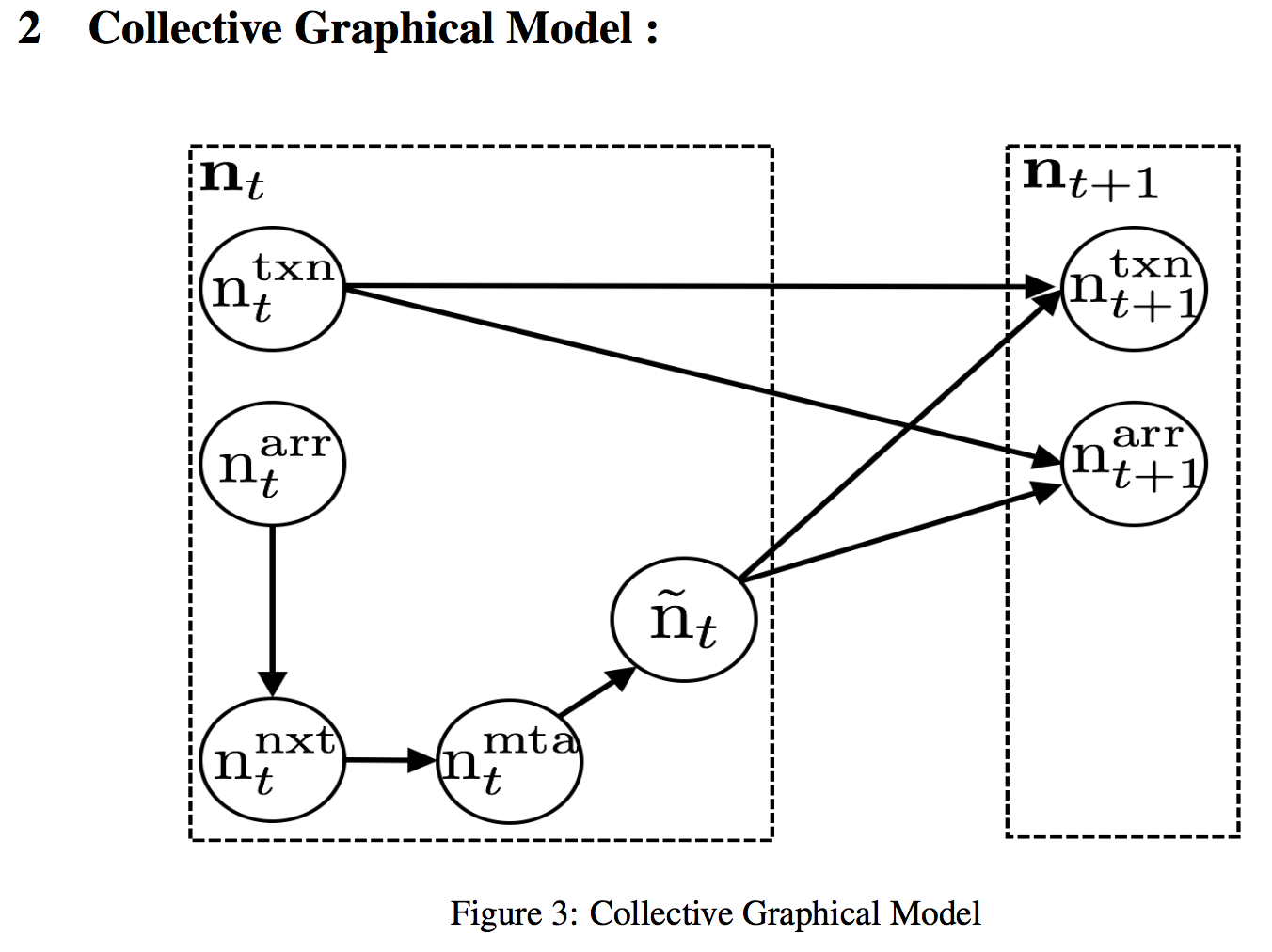
Supplemental Materials to Submission: Hierarchical Multiagent Reinforcement Learning for Maritime Traffic Management

**1. Synthetic Data Experimental Setup:**

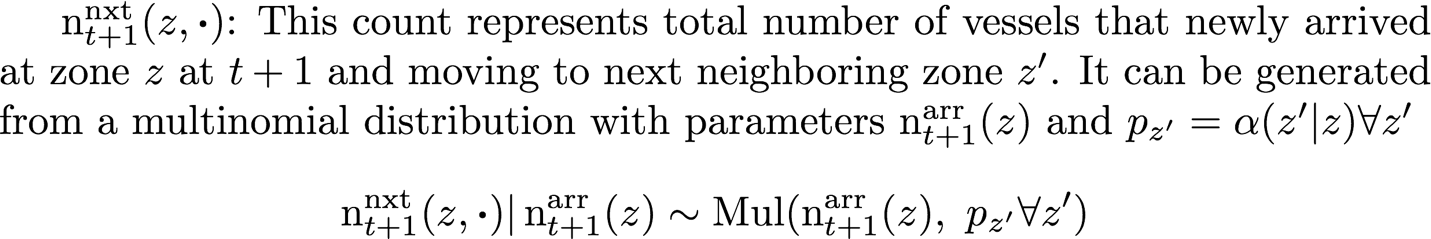
* 1. **Synthetic Graph Generation**
  2. **Implementation Details:**

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**2. Sampling Process :**



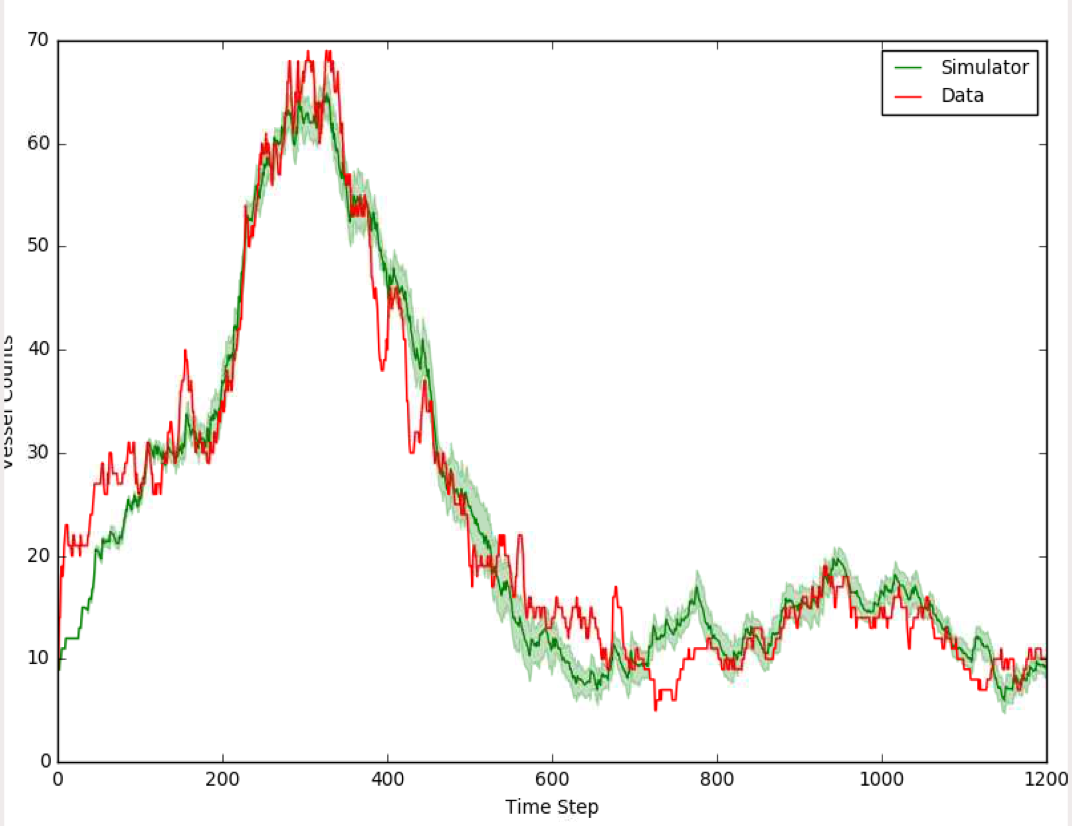








**3. Simulator Accuracy :**

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References

[1]  Jimmy Ba, Ryan Kiros, and Geoffrey E. Hinton. Layer normalization. *CoRR*, abs/1607.06450, 2016.

[2]  Diederik P. Kingma and Jimmy Ba. Adam: A method for stochastic optimization. *CoRR*, abs/1412.6980, 2014.

[3]  Adam Paszke, Sam Gross, Soumith Chintala, Gregory Chanan, Edward Yang, Zachary DeVito, Zeming Lin, Alban Desmaison, Luca Antiga, and Adam Lerer. Automatic differentiation in pytorch. In *NIPS-W*, 2017.