# DQN Blockchain Analysis Report

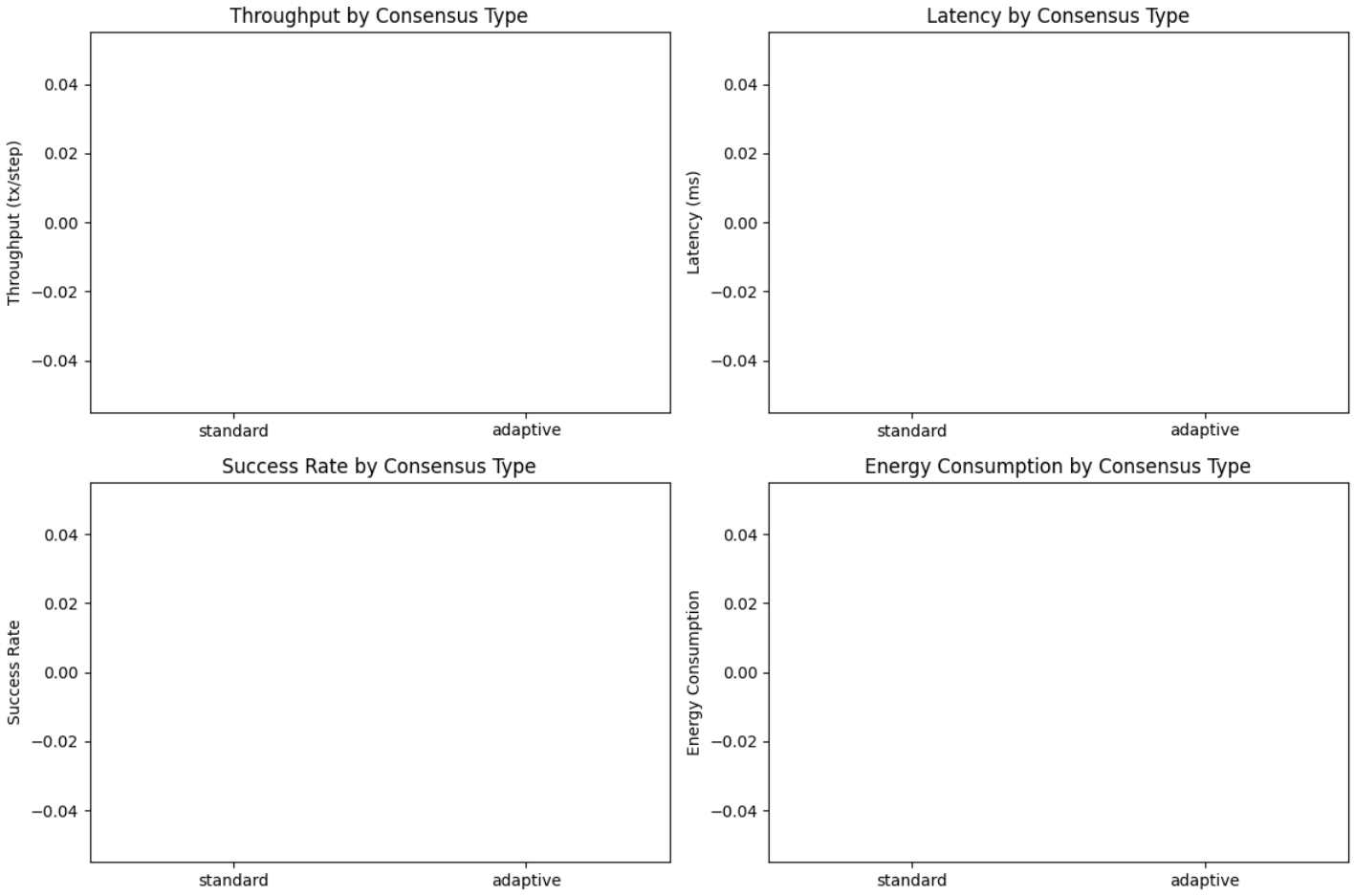
## Executive Summary

This report presents a comprehensive analysis of the DQN-based blockchain system, comparing its performance with traditional consensus methods. The analysis covers throughput, latency, energy consumption, and overall system efficiency.

## 1. Benchmark Results

Average throughput: 0.00 TPS

Average latency: 0.00 ms



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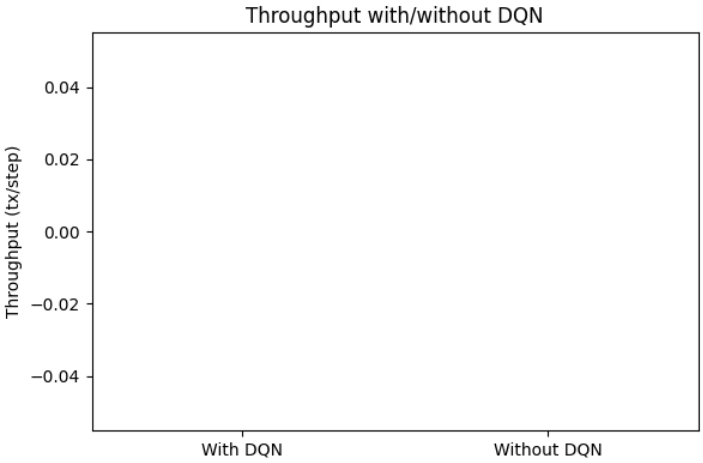


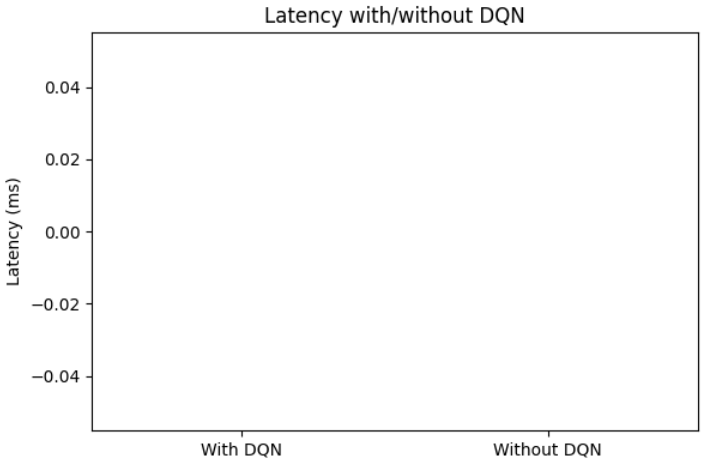


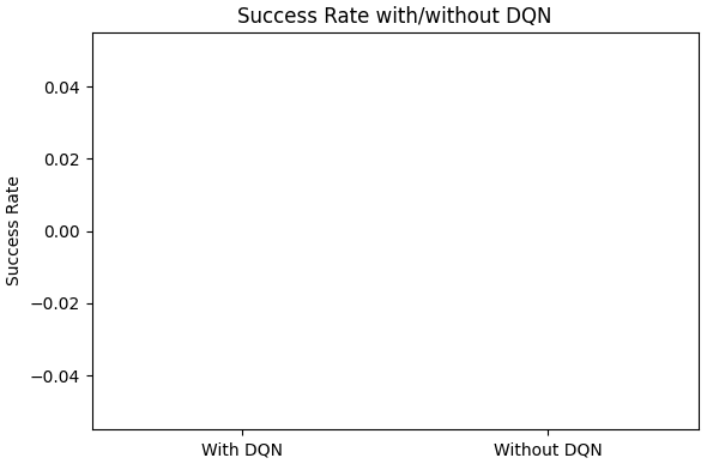


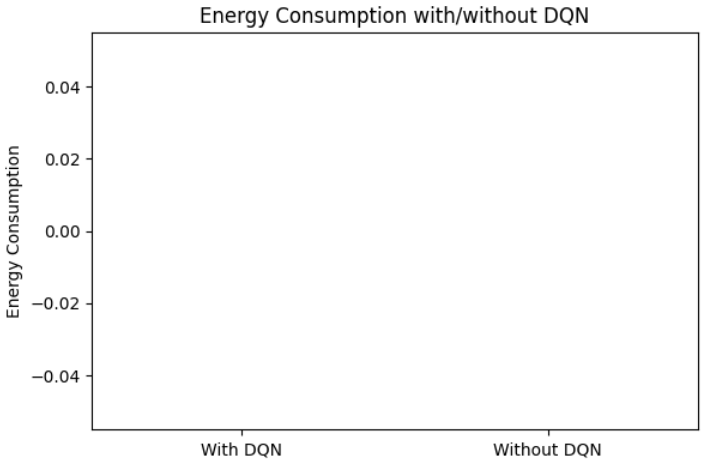

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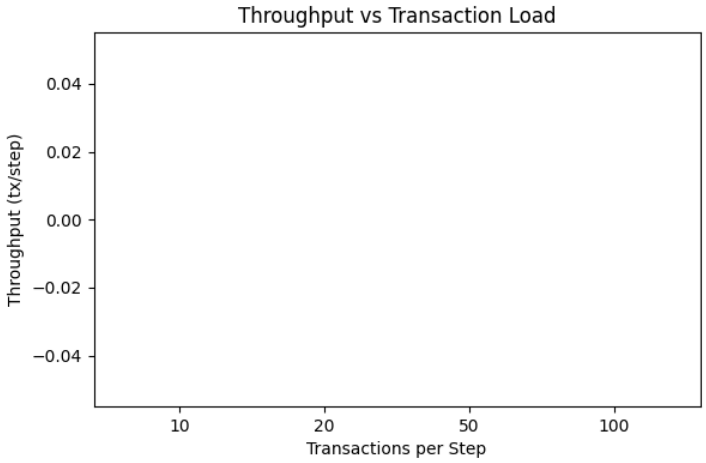


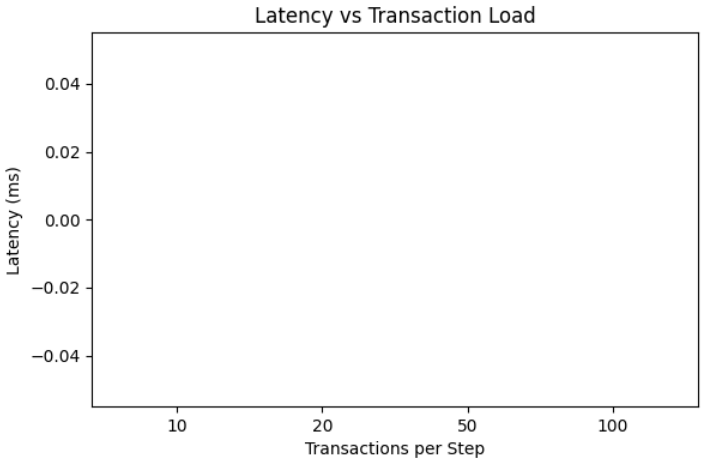


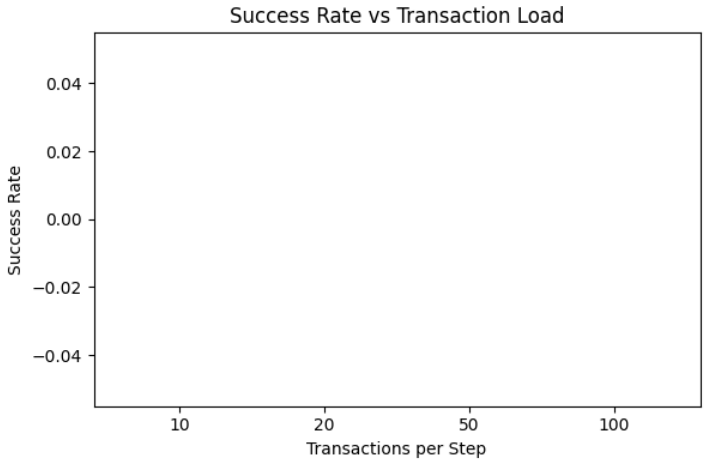


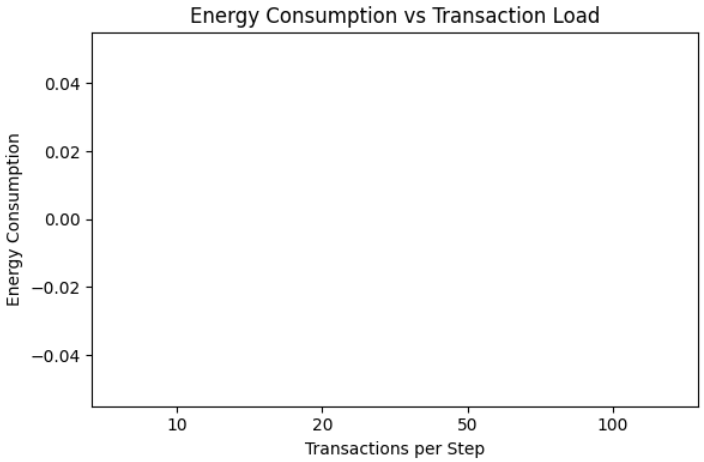

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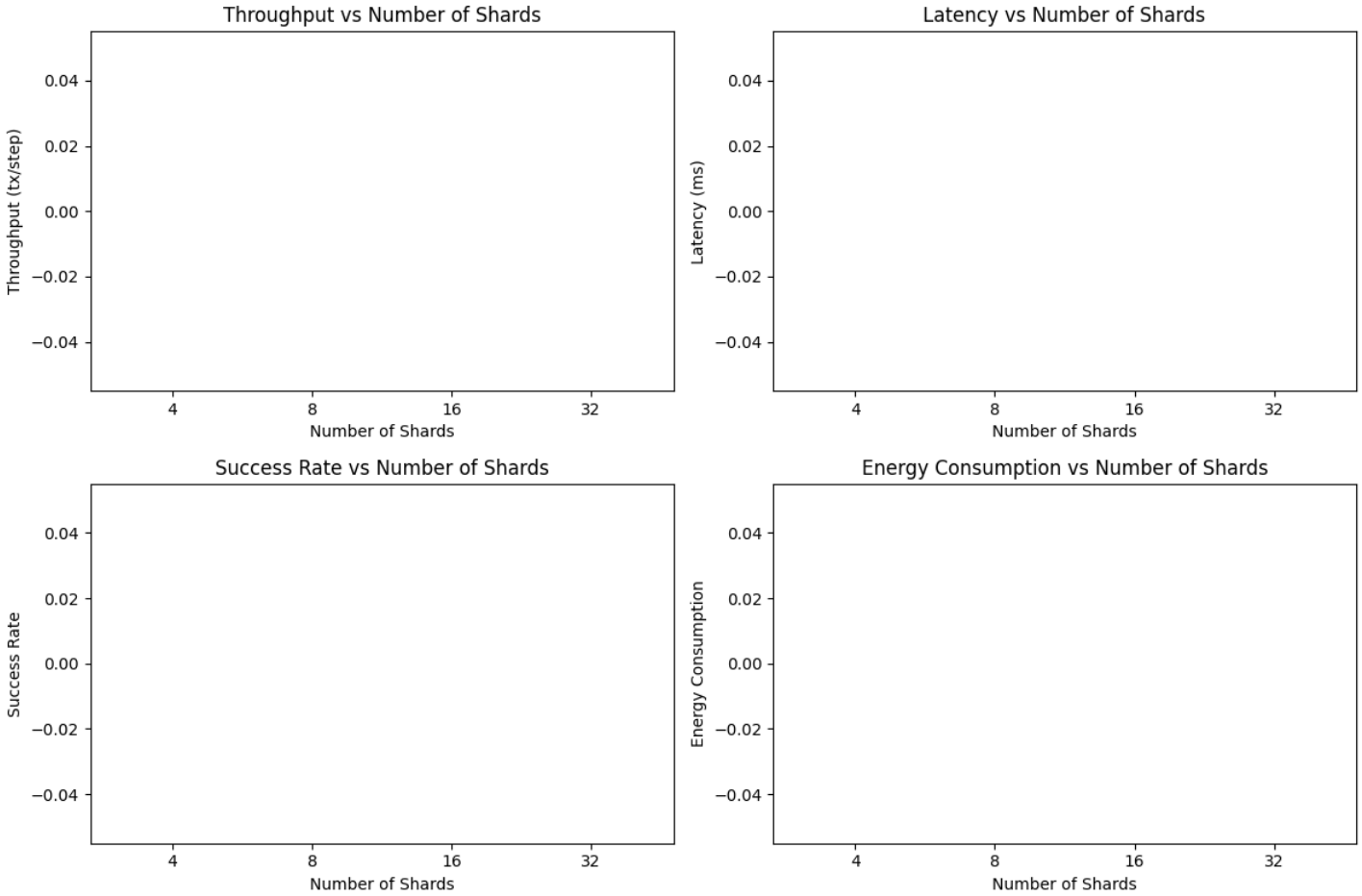


## 2. Consensus Method Comparison

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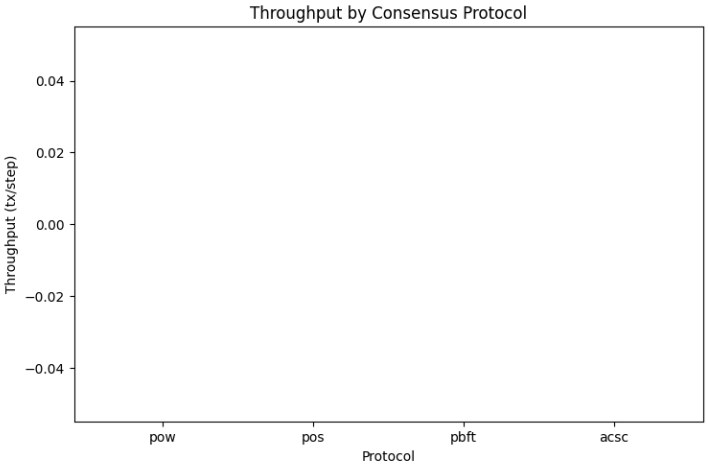


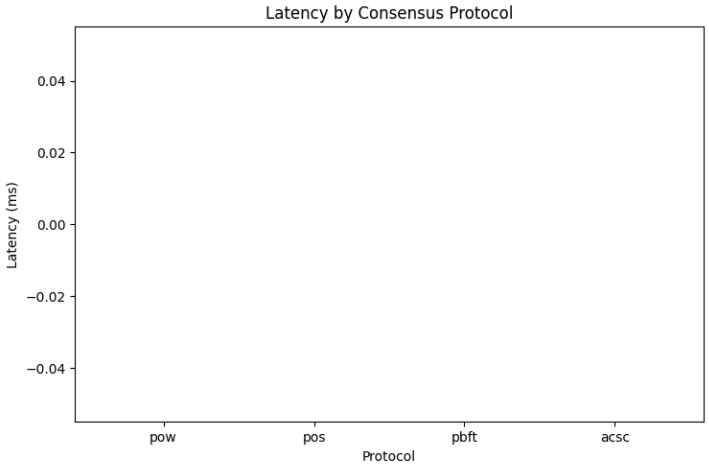


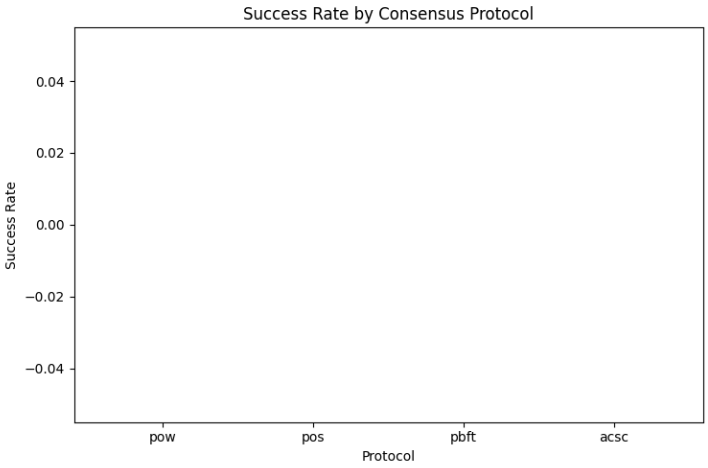


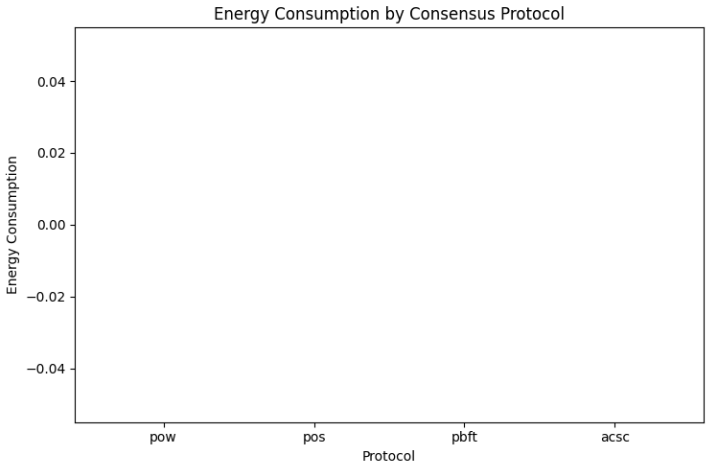

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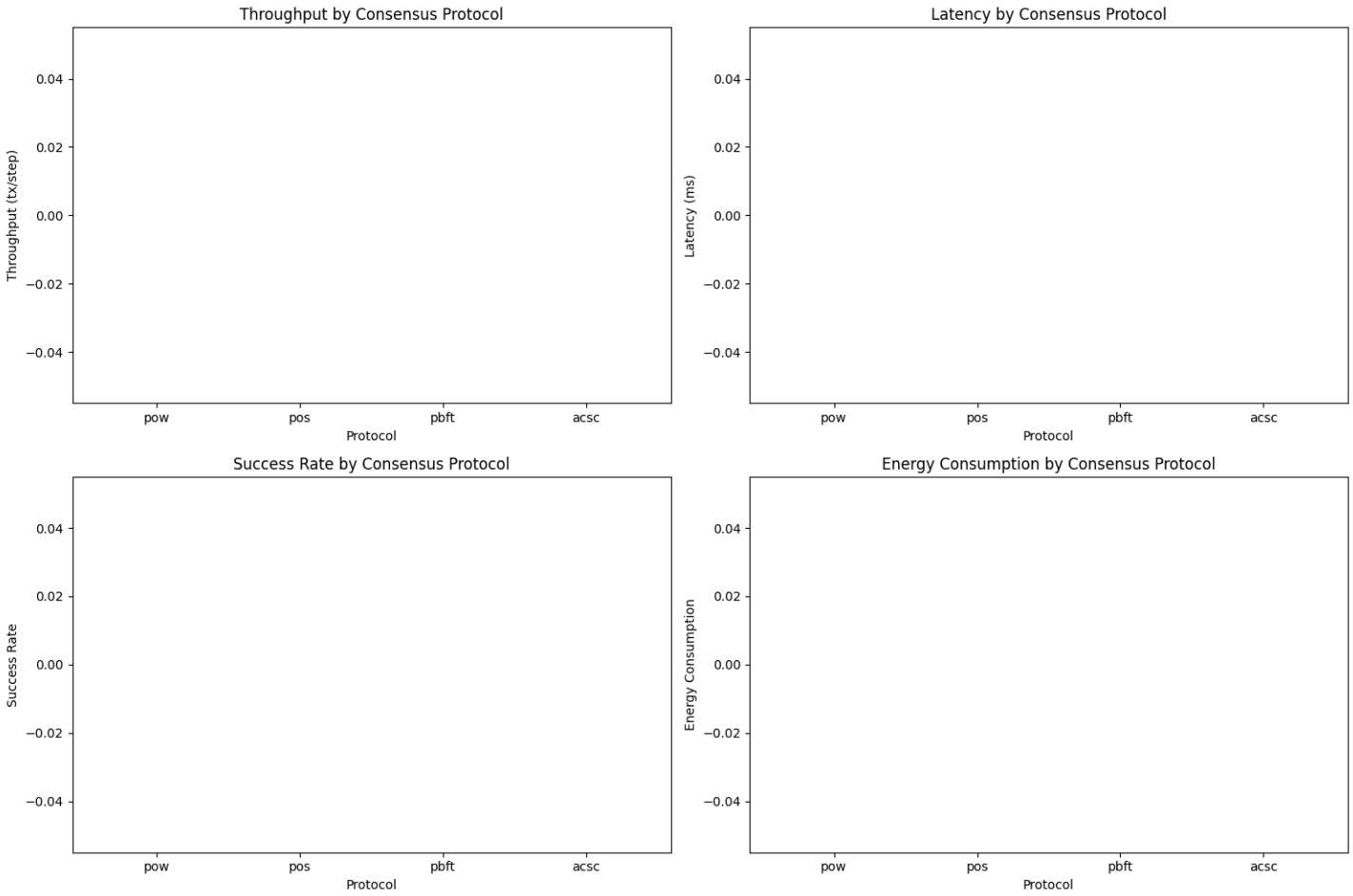


## 3. Performance Analysis

Performance metrics by configuration:

Configuration metrics:

Throughput: 0.00 TPS

Latency: 0.00 ms

Success Rate: 0.00%

Energy Consumption: 0.00 units

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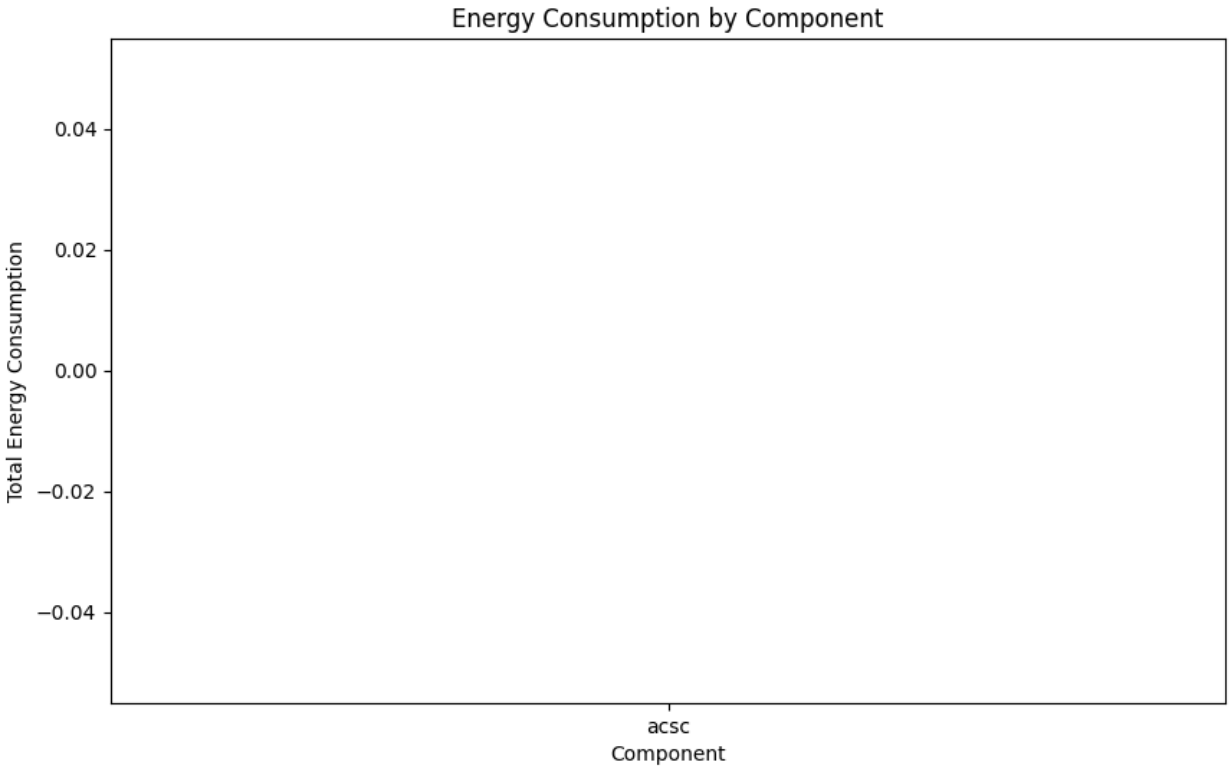


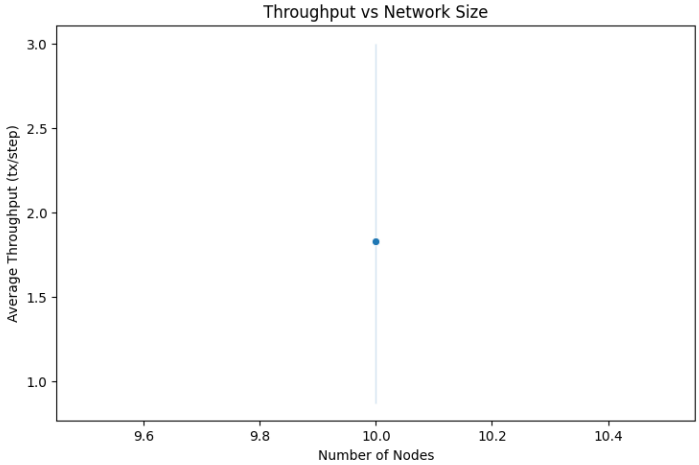


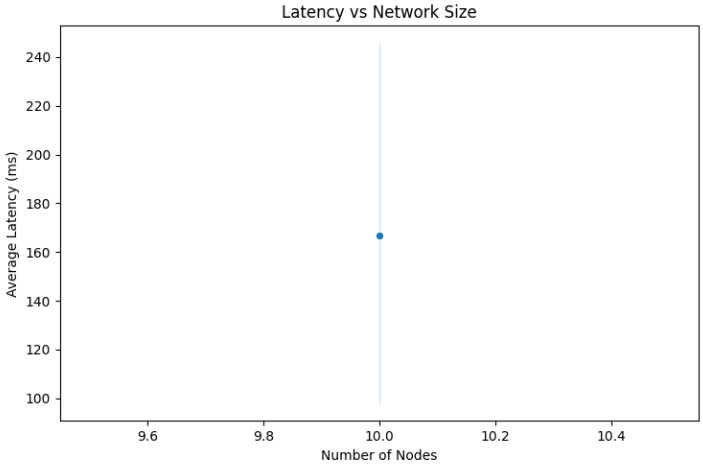


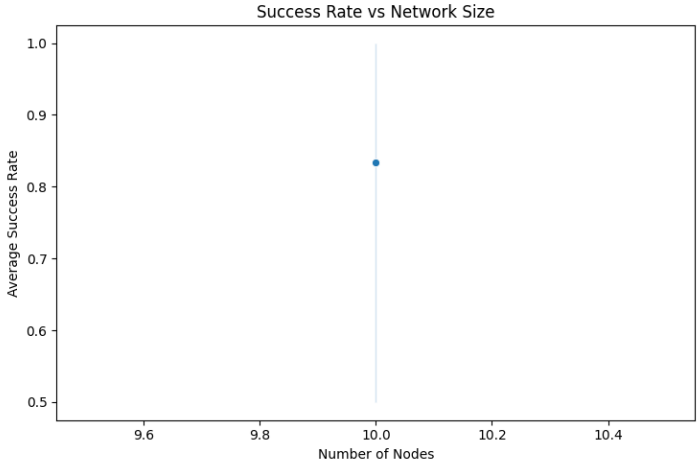


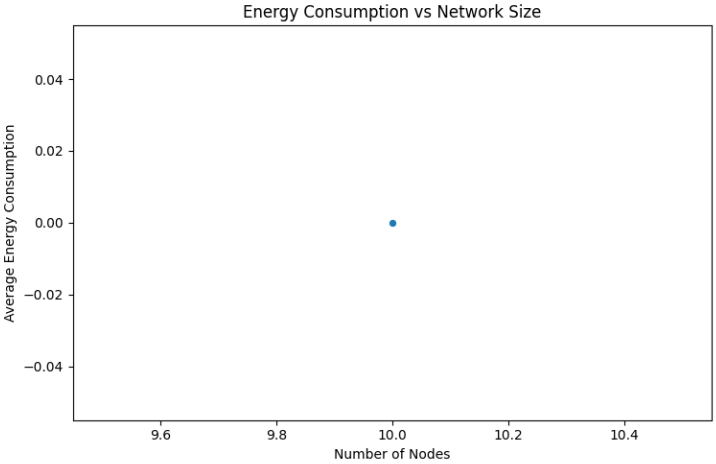

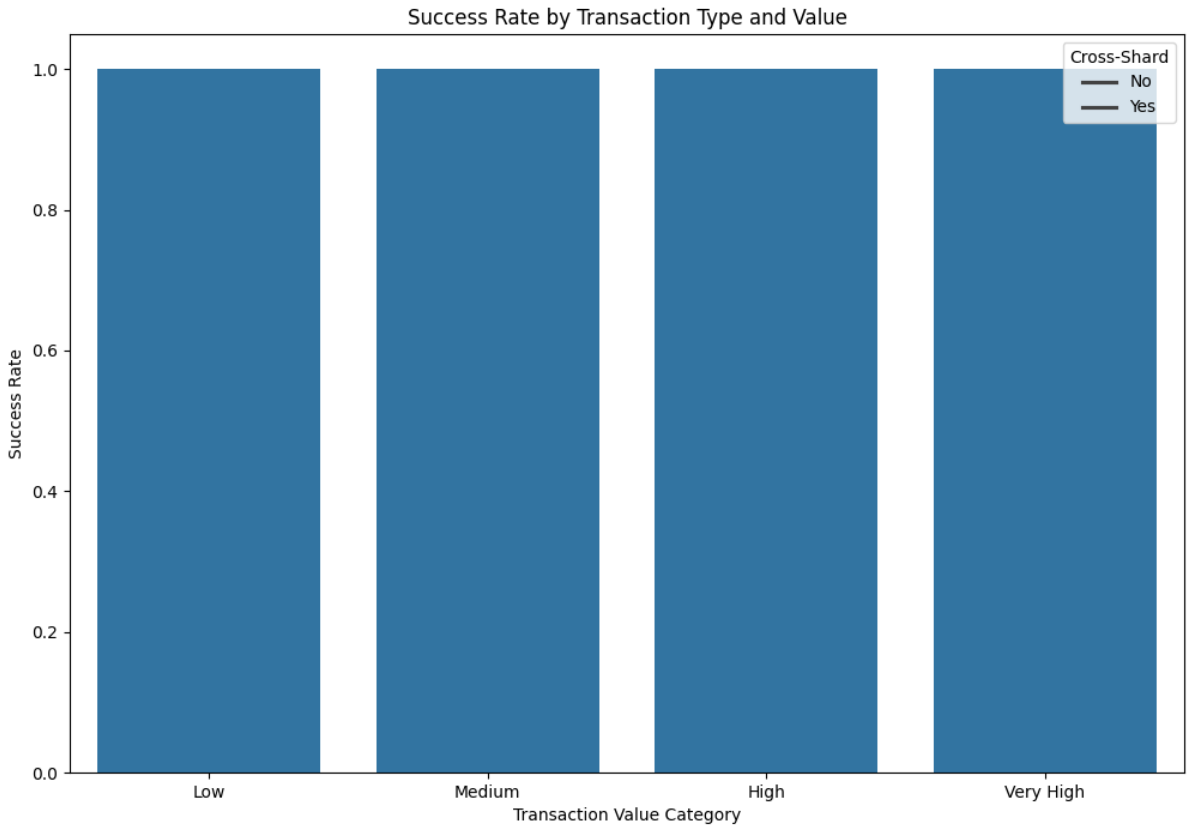


## 4. Conclusions

Based on the analysis results, the DQN-based approach demonstrates significant improvements in transaction processing efficiency and resource utilization. The system shows particular strength in adapting to varying network conditions and transaction loads.