CPSC532W: Probabilistic Programming, Homework 2

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My code for this homework can be found here.

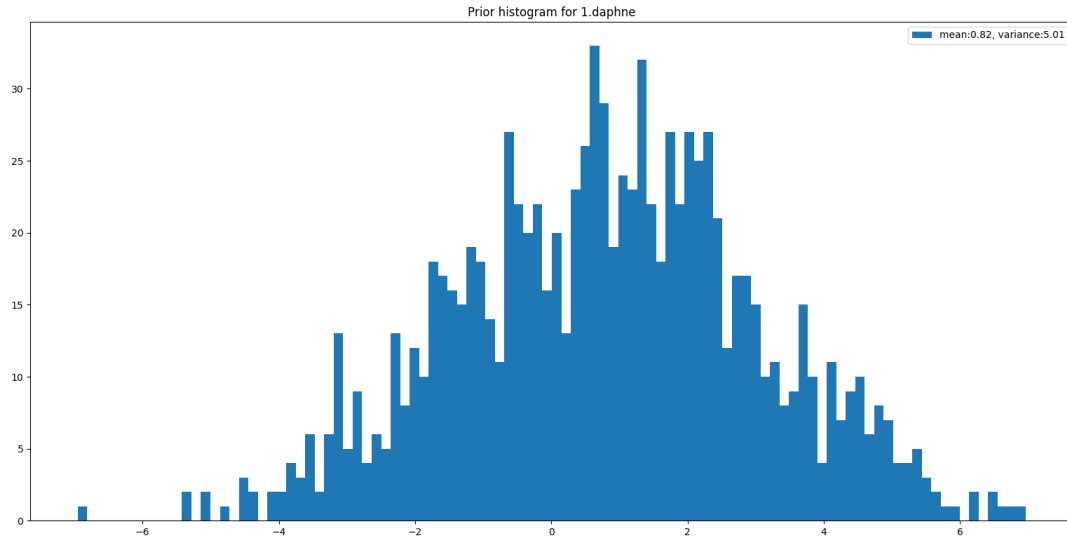**1. Evaluation-Based Sampling Results**
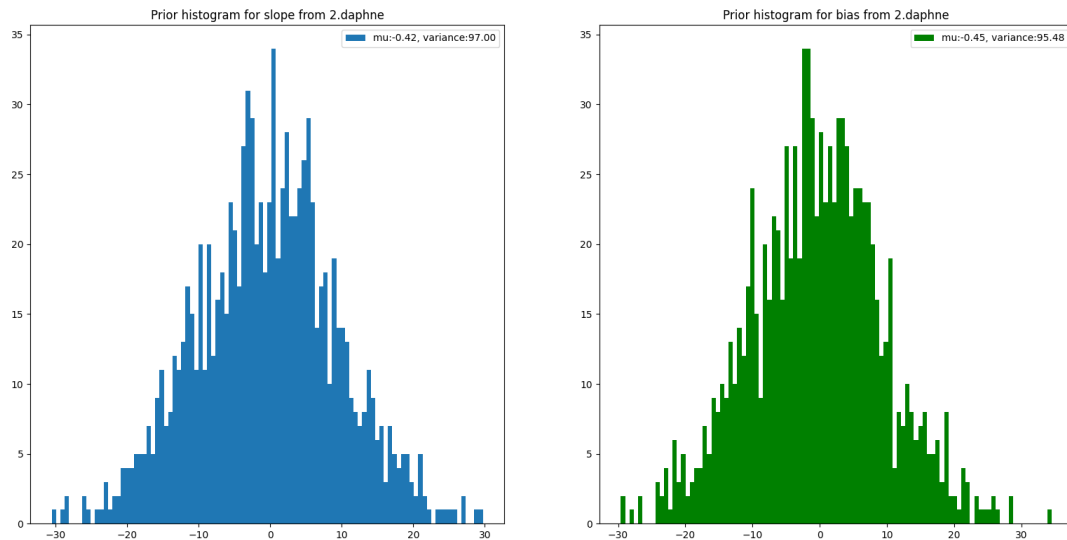

Figure 1: Samples from the prior of 1.daphne

Figure 2: Samples from the prior of 2.daphne. **Right**: Prior for slope. **Left**: Prior for bias.
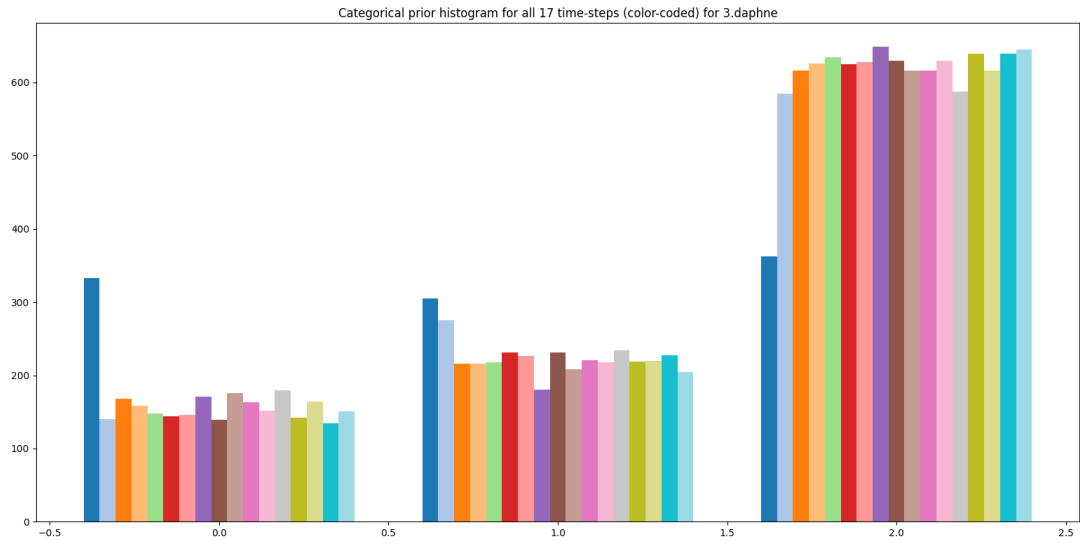
Figure 3: Samples from the prior of 3.daphne. Each color represents one of the 17 hmm steps.
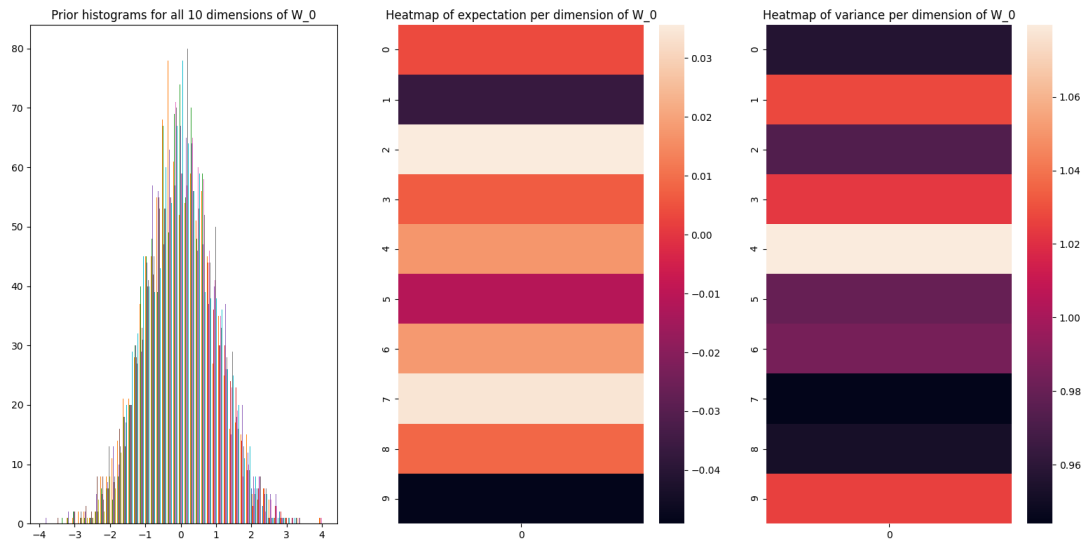

Figure 4: Histogram and heatmaps of mean and variance for W_0 from 4.daphne
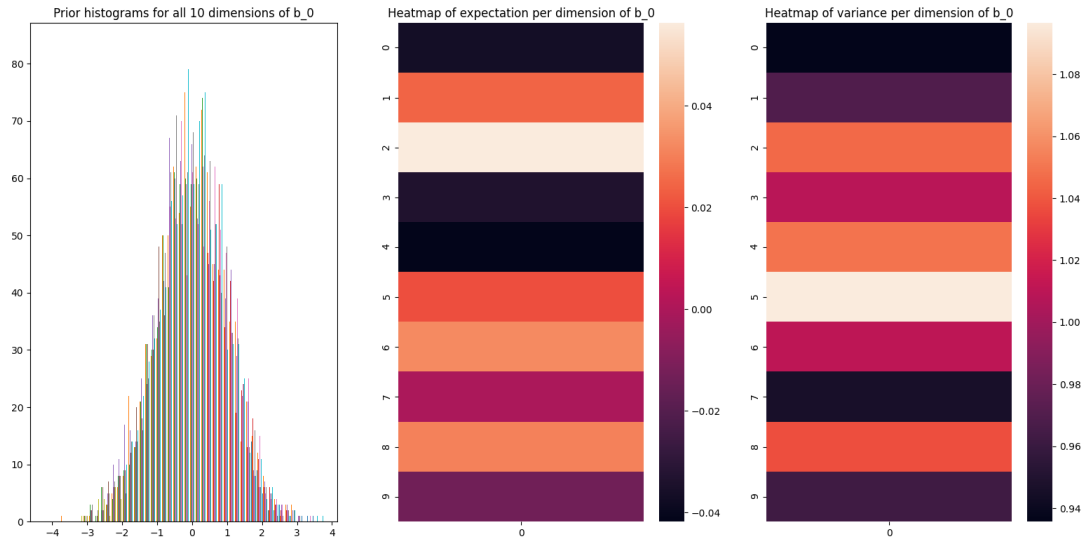
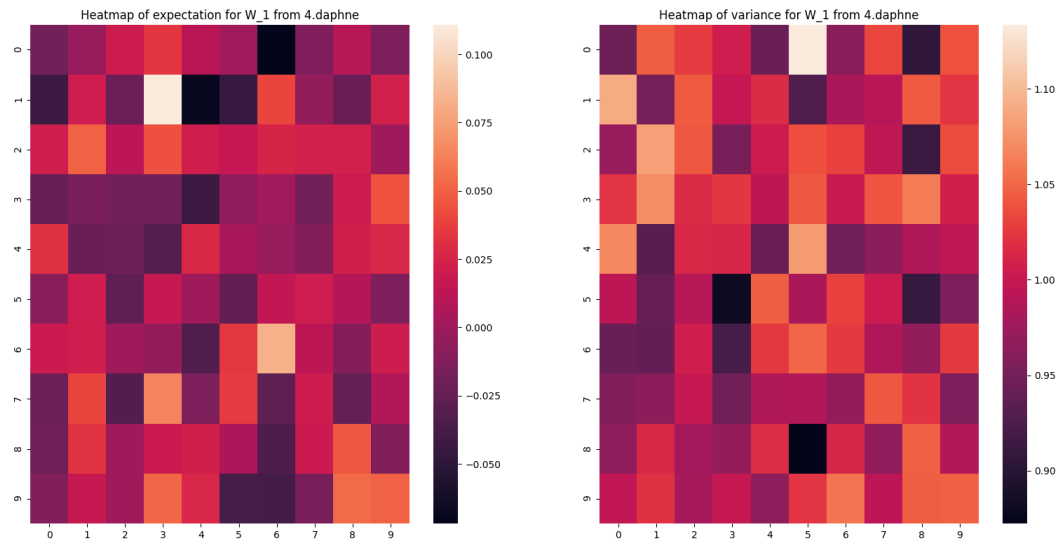Figure 5: Histogram and heatmaps of mean and variance for b_0 from 4.daphne

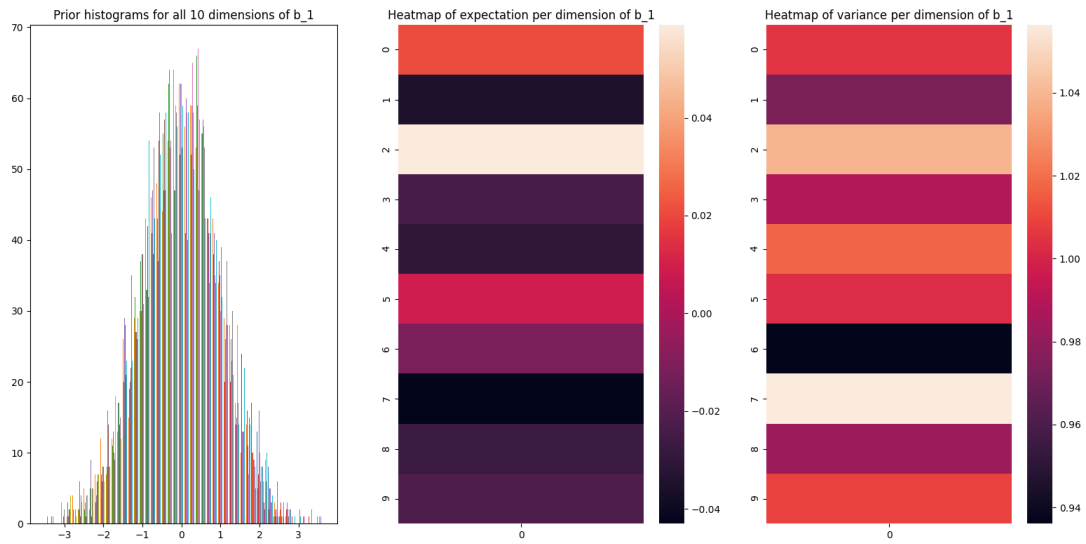Figure 6: Heatmaps of mean and variance for W_1 from 4.daphne

Figure 7: Histogram and heatmaps of mean and variance for b_1 from 4.daphne

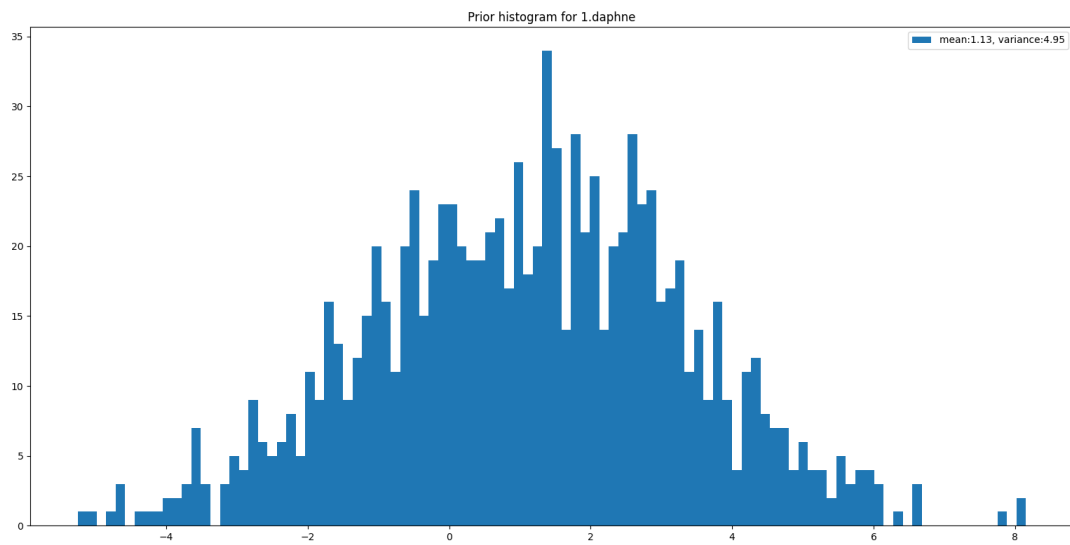## 2. Graph-Based Sampling Results
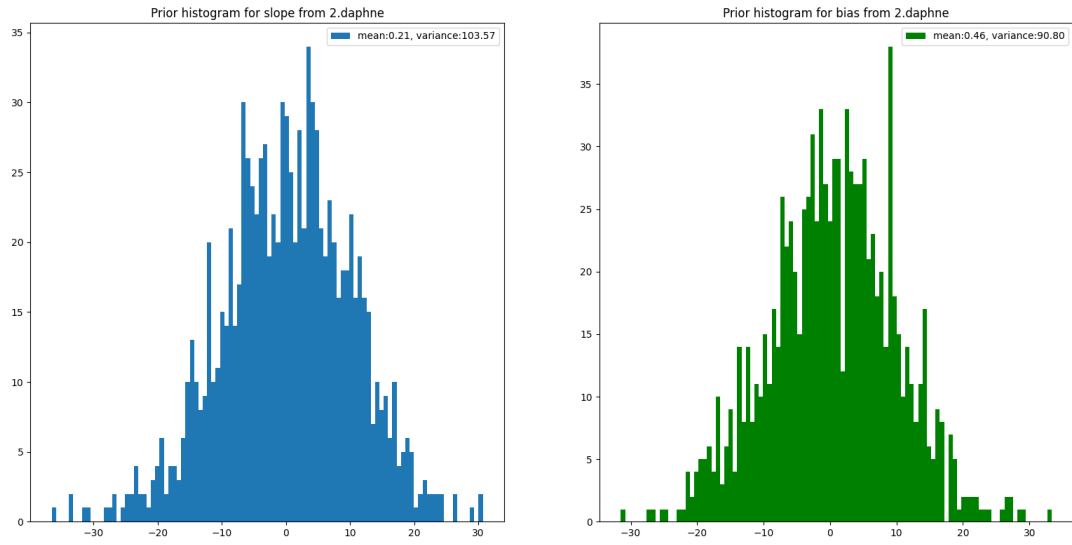

Figure 8: Samples from the prior of 1.daphne

Figure 9: Samples from the prior of 2.daphne. **Right**: Prior for slope. **Left**: Prior for bias.
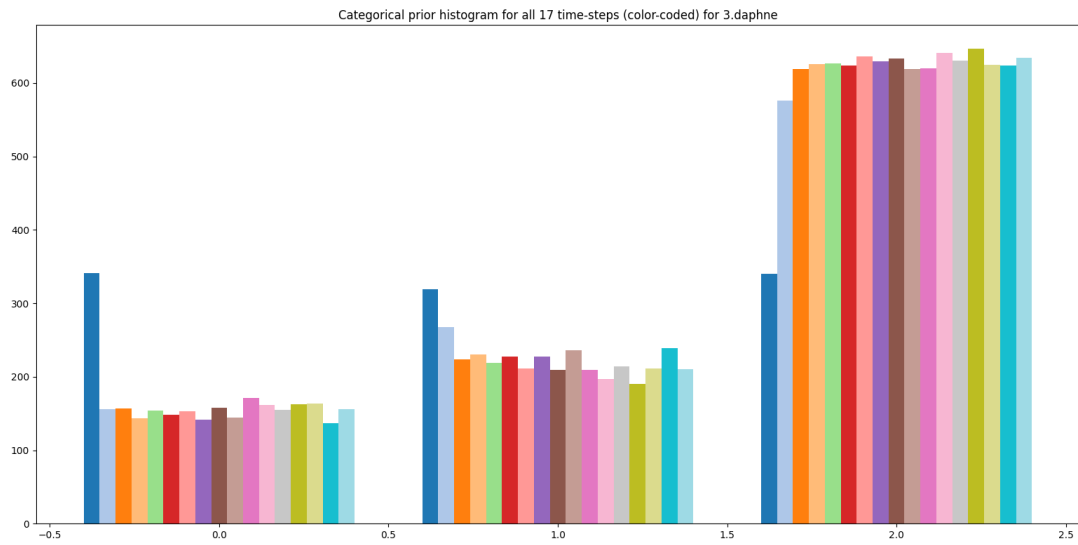

Figure 10: Samples from the prior of 3.daphne. Each color represents one of the 17 hmm steps.
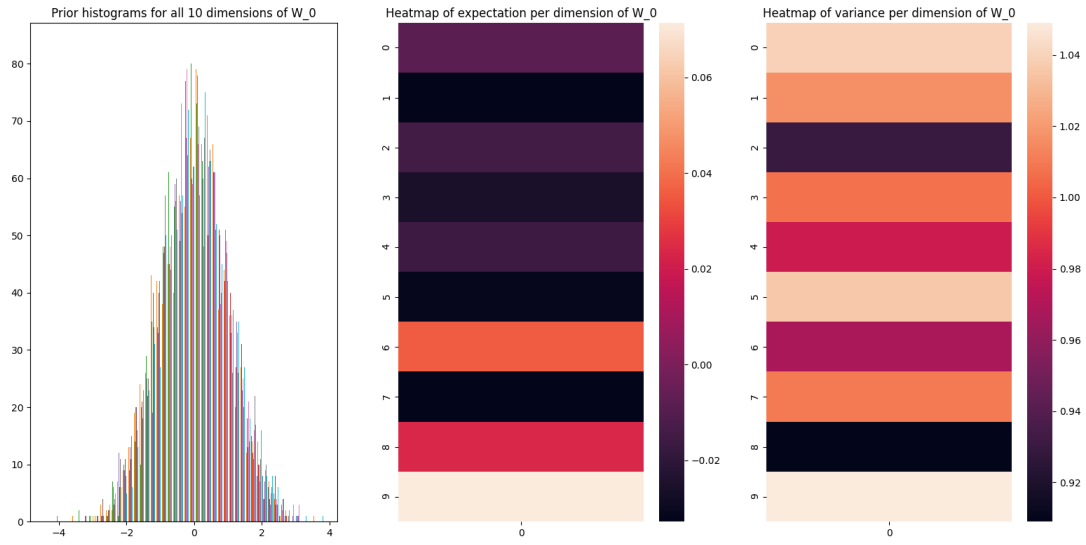
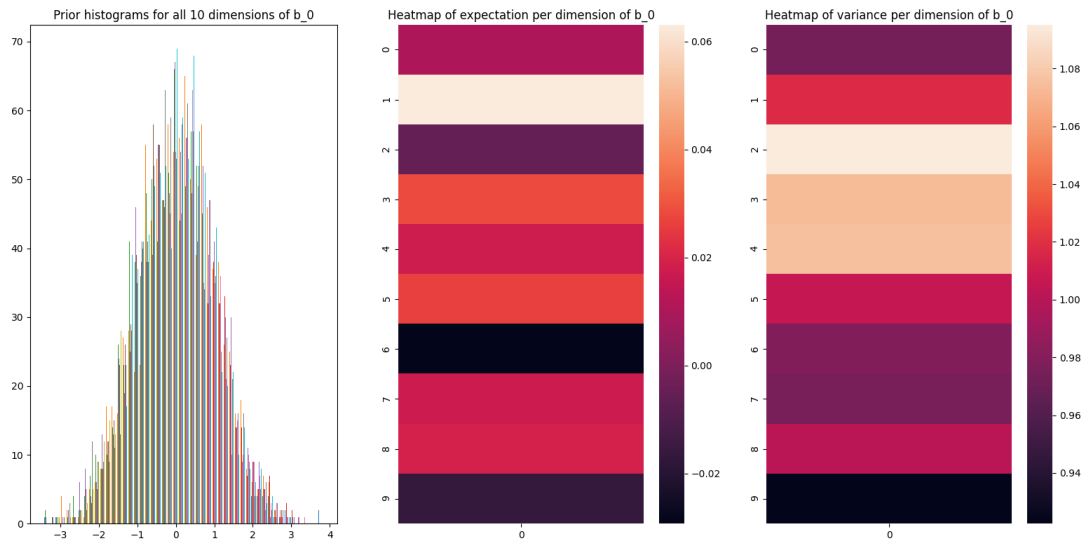Figure 11: Heatmaps of mean and variance for W_0 from 4.daphne

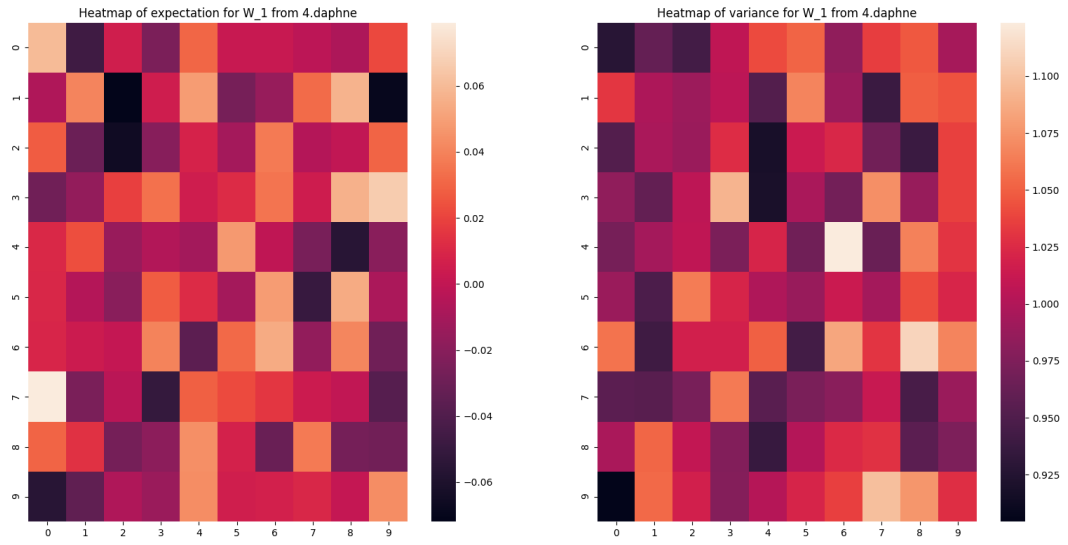Figure 12: Heatmaps of mean and variance for b_0 from 4.daphne
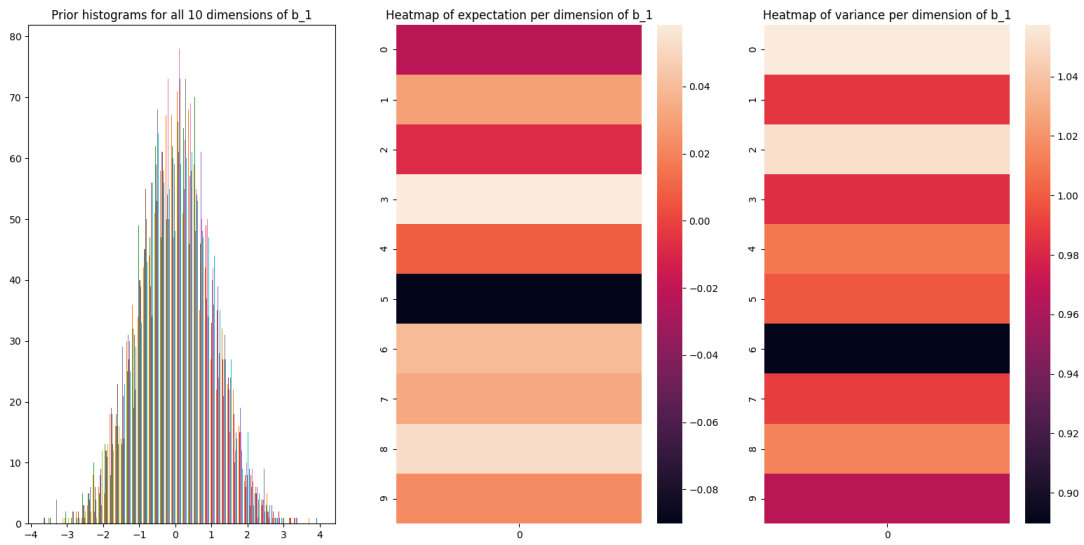
Figure 13: Heatmaps of mean and variance for W_1 from 4.daphne

Figure 14: Heatmaps of mean and variance for b_1 from 4.daphne