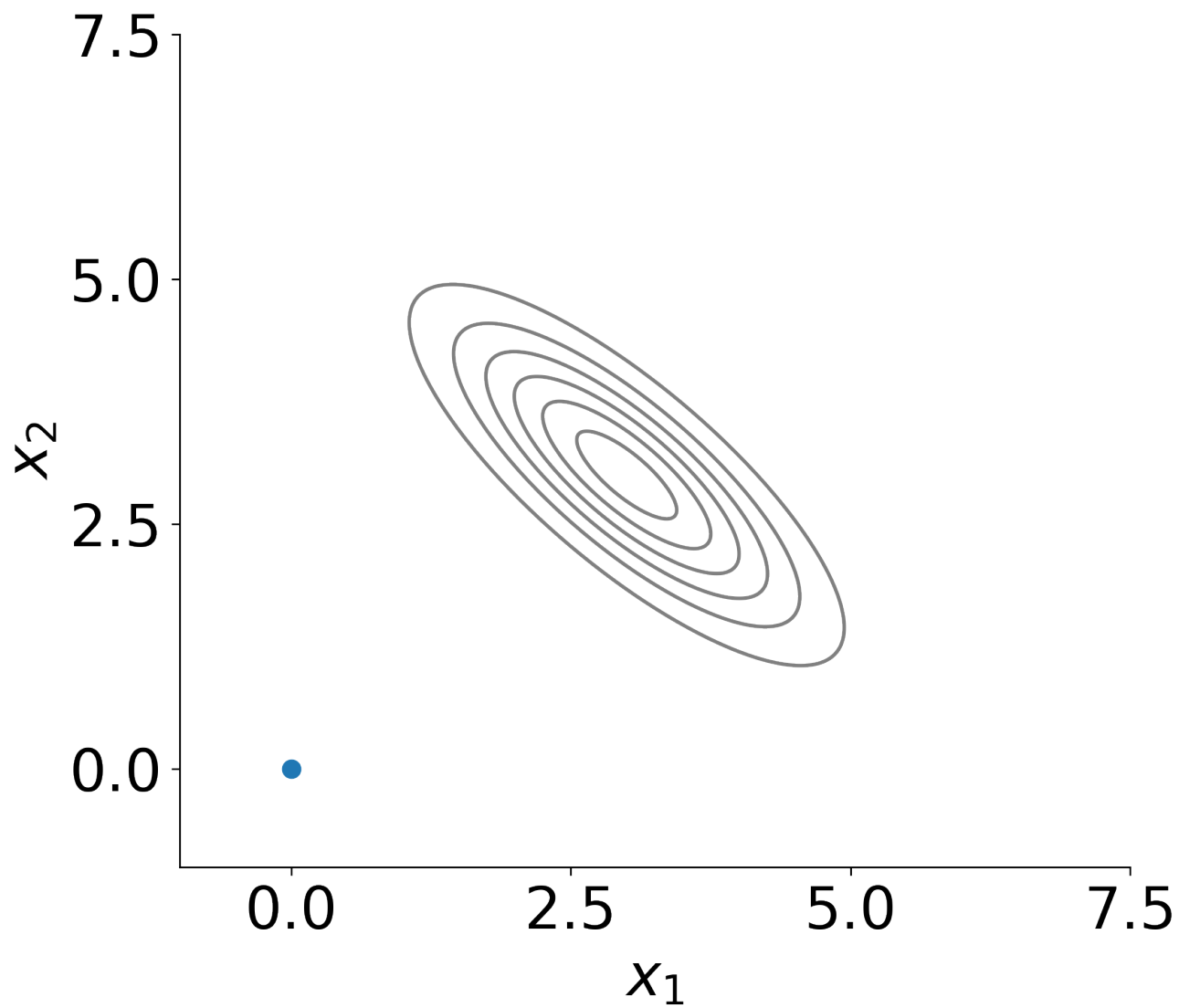
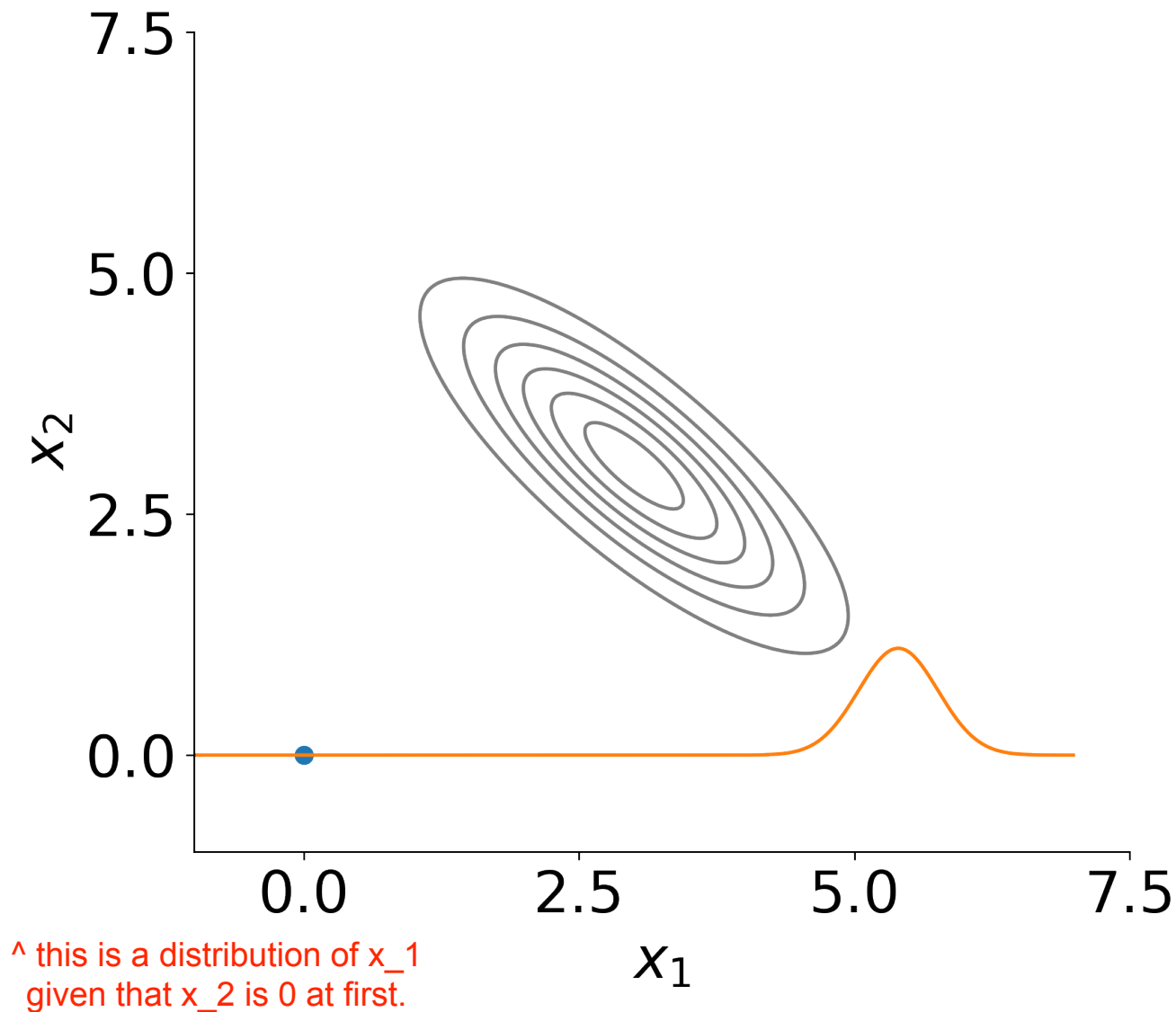


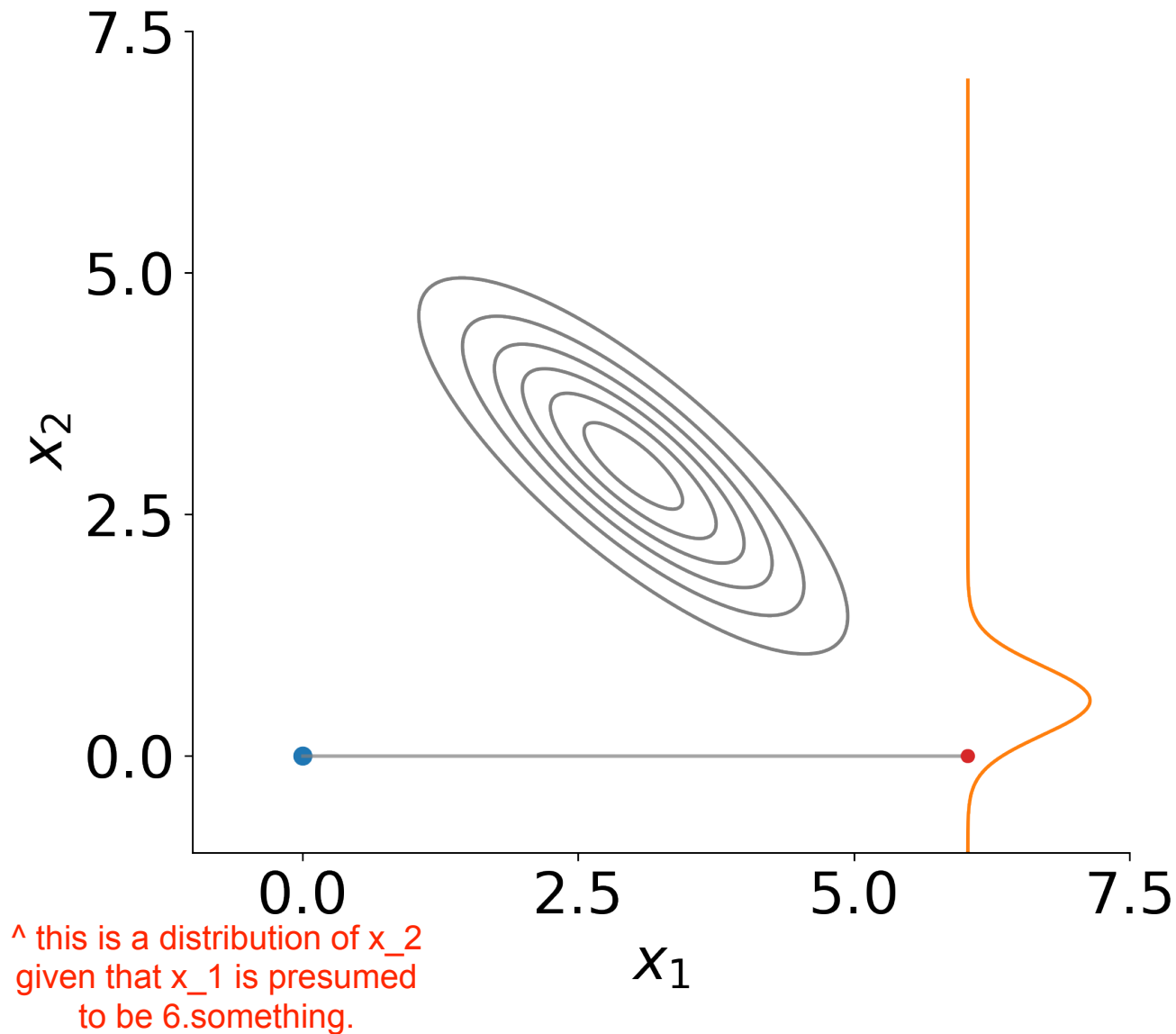
Gibbs Sampling Demo



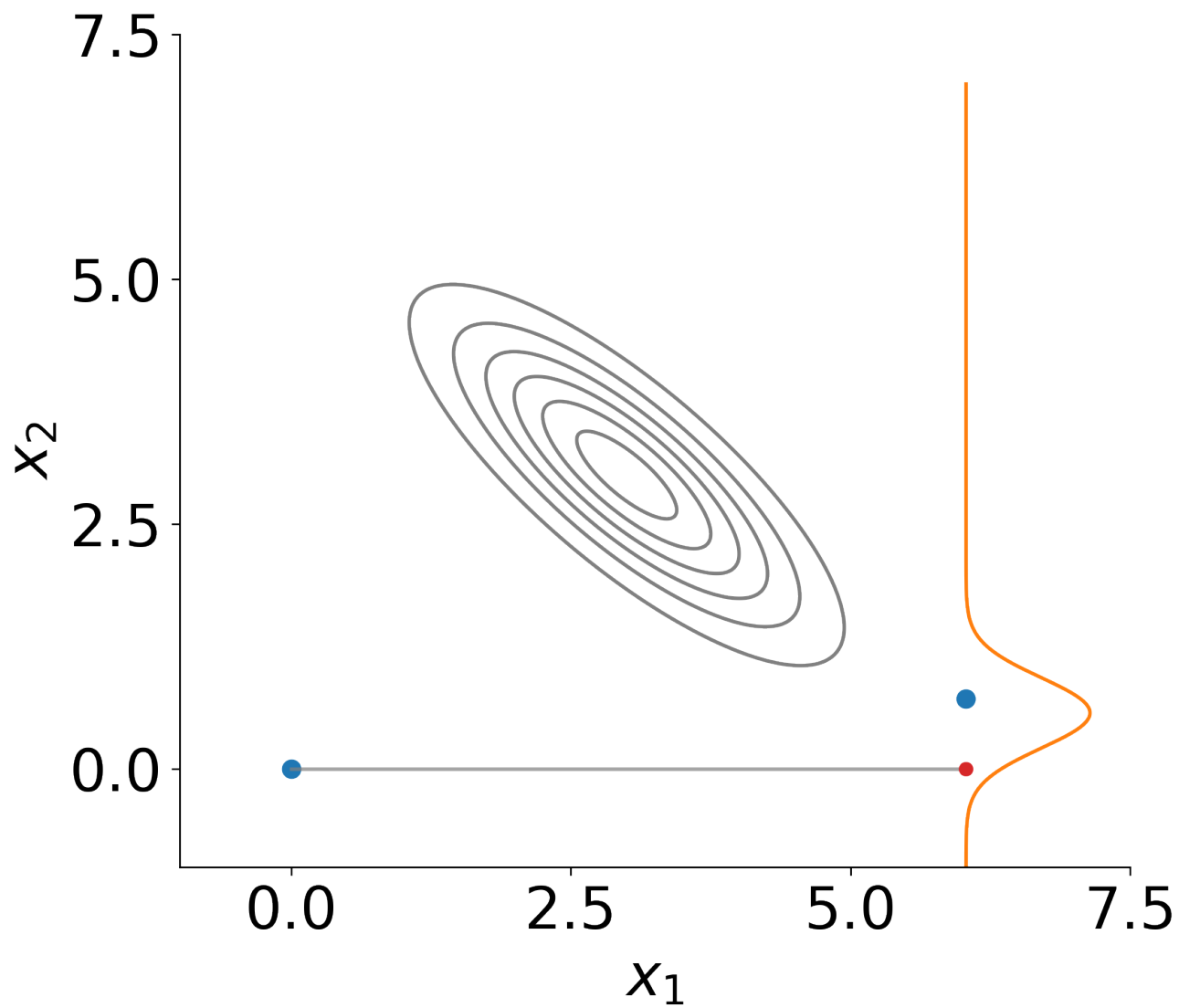
Gibbs Sampling Demo



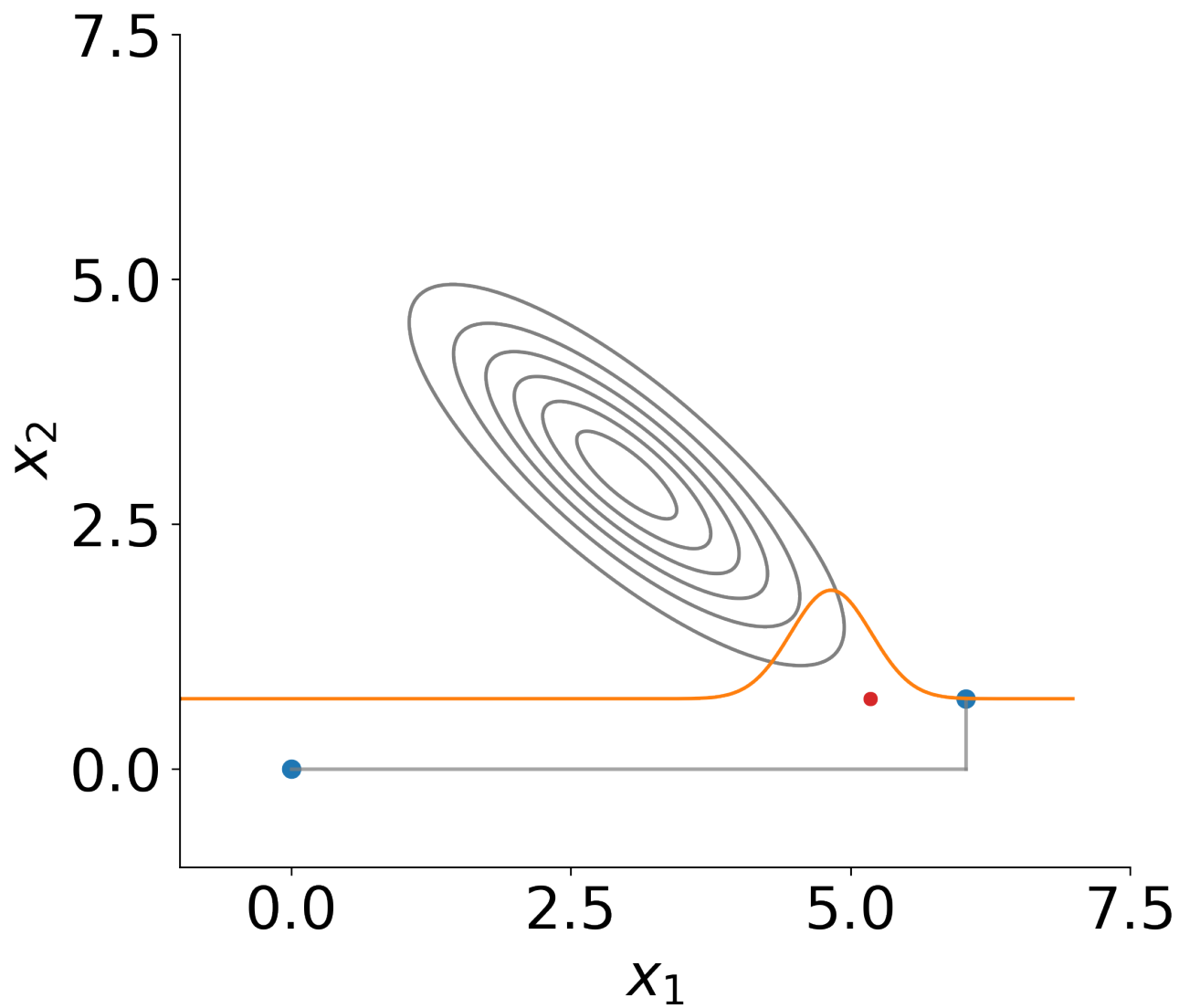
Gibbs Sampling Demo



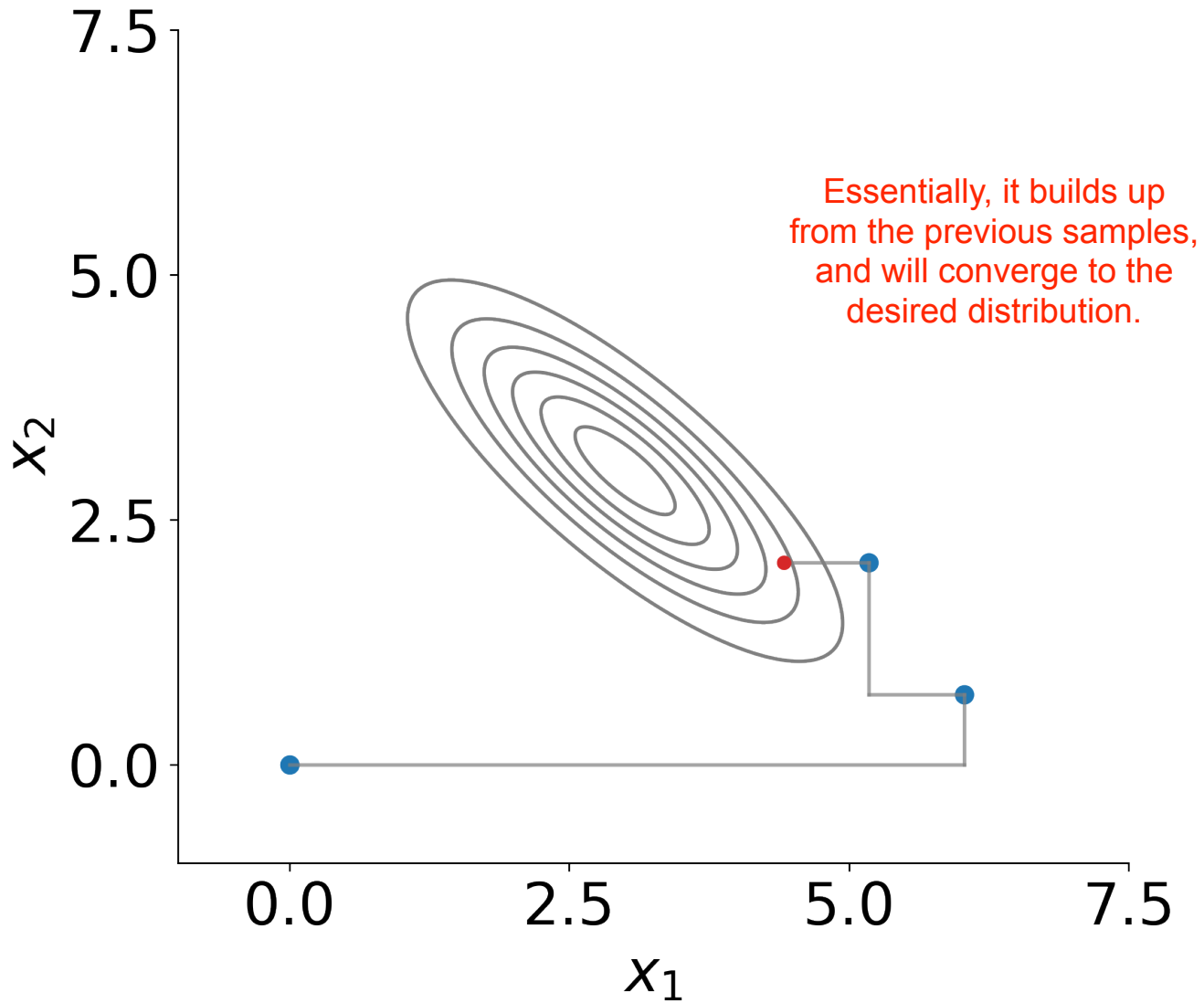
Gibbs Sampling Demo



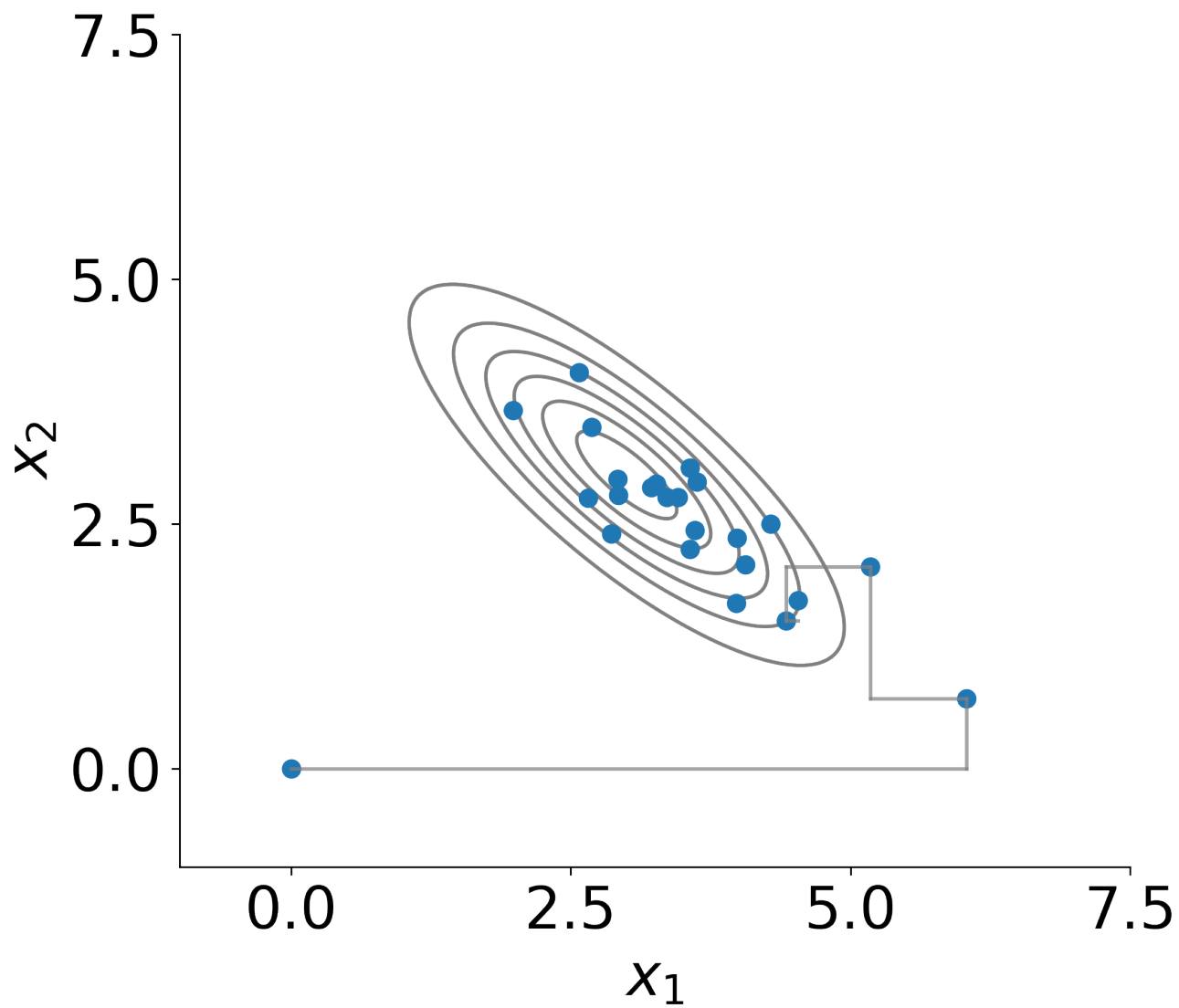
Gibbs Sampling Demo



Gibbs Sampling Demo



Gibbs Sampling Demo



Summary

Pros:

- Reduce multidimensional sampling to sequence of 1d samplings because we reduce it to the individual dimensions by gibbs sampling.
- A few lines of code

Cons:

- Highly correlated samples
- Slow convergence (mixing)
- Not parallel

Why highly correlated?
See the demo. All the samples are very close to one another.
The samples will be similar together. This means that we're not that efficient at estimating expected values as we think.

CANNOT parallelize because each task is contingent on the previous' completion.