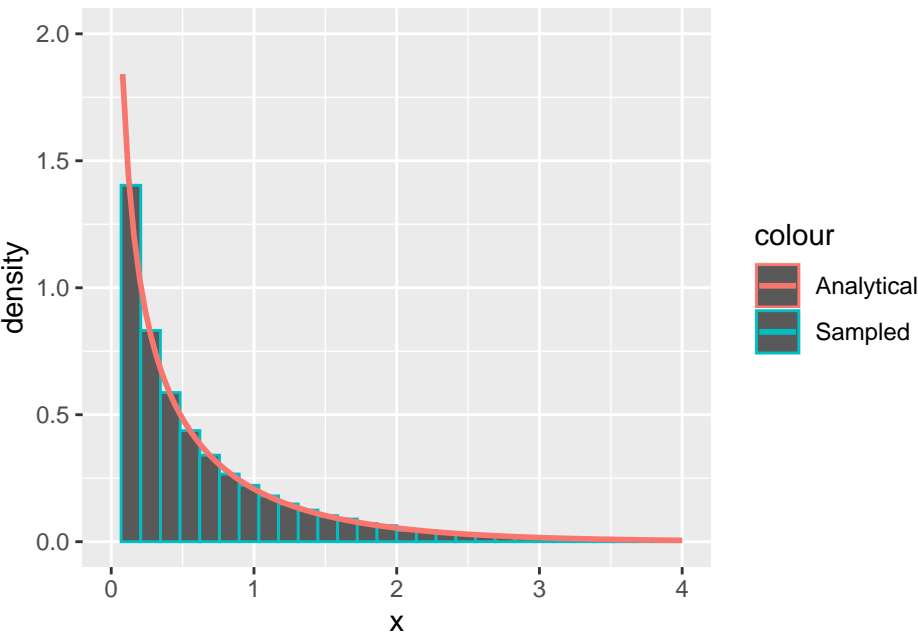## Samples and analytical comparison

Here we compare the analytical density of f(x) (red line)
with the sampled density (blue bars).