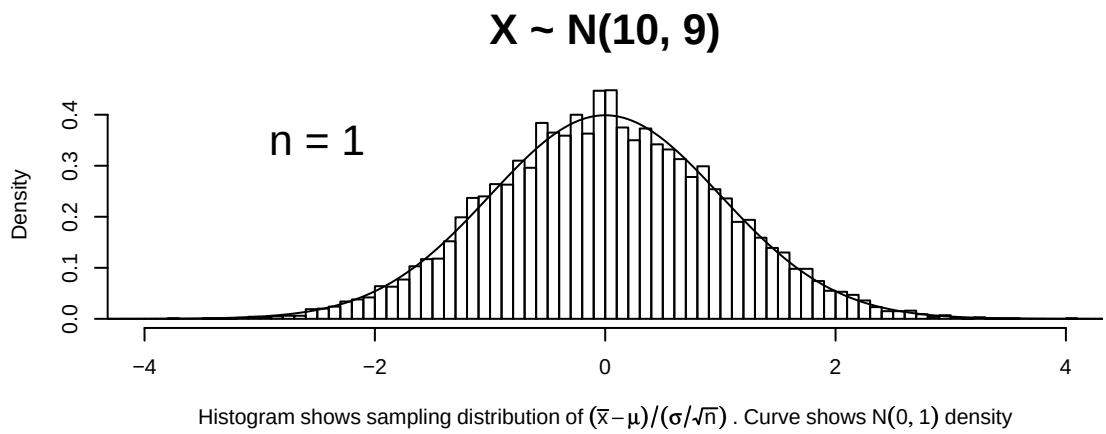
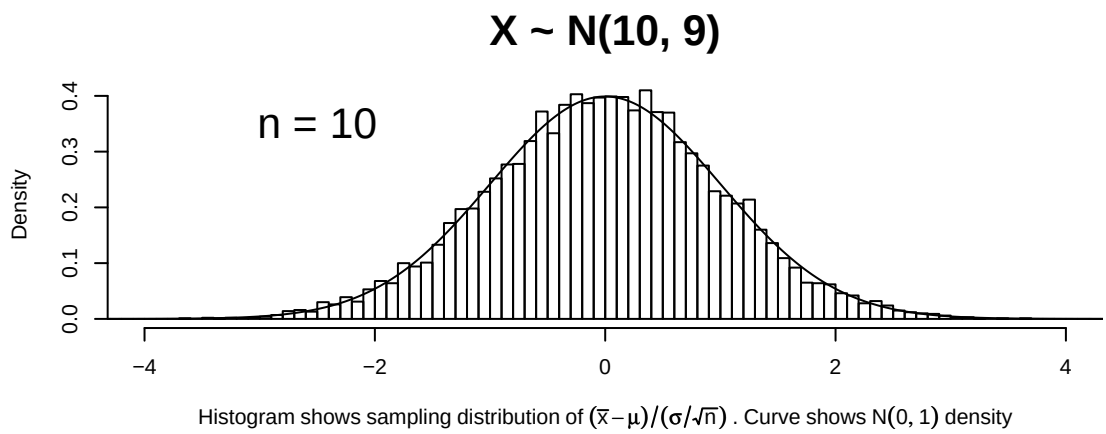
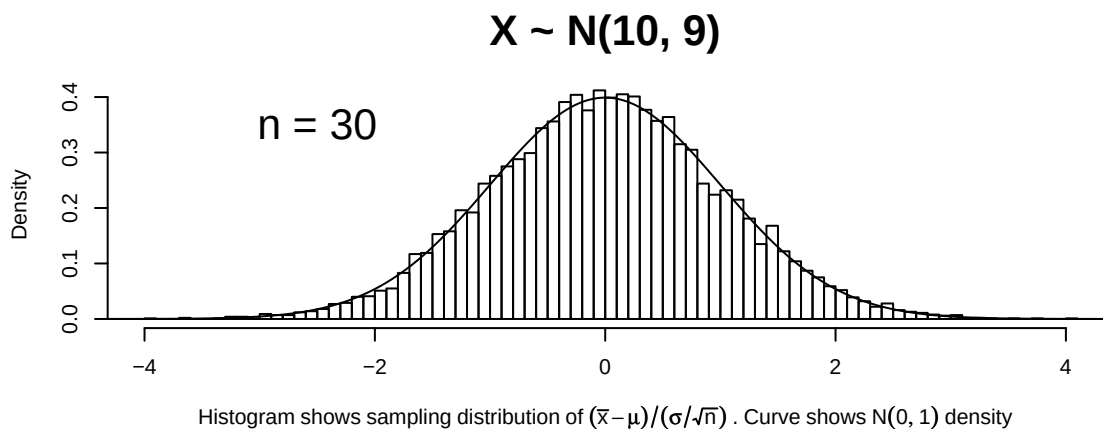
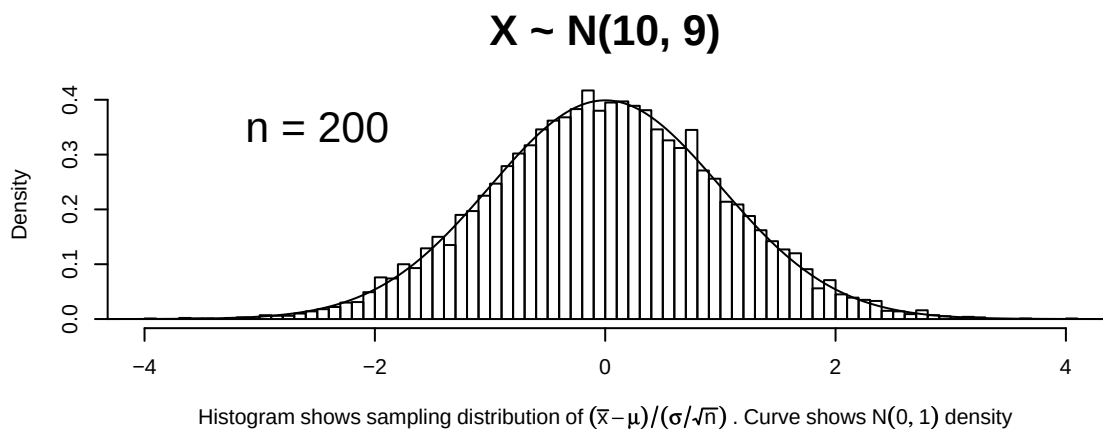
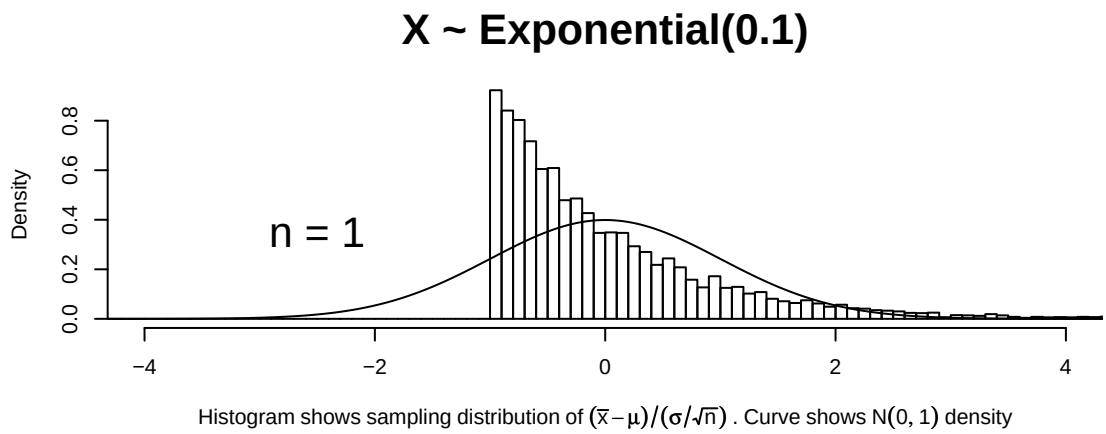
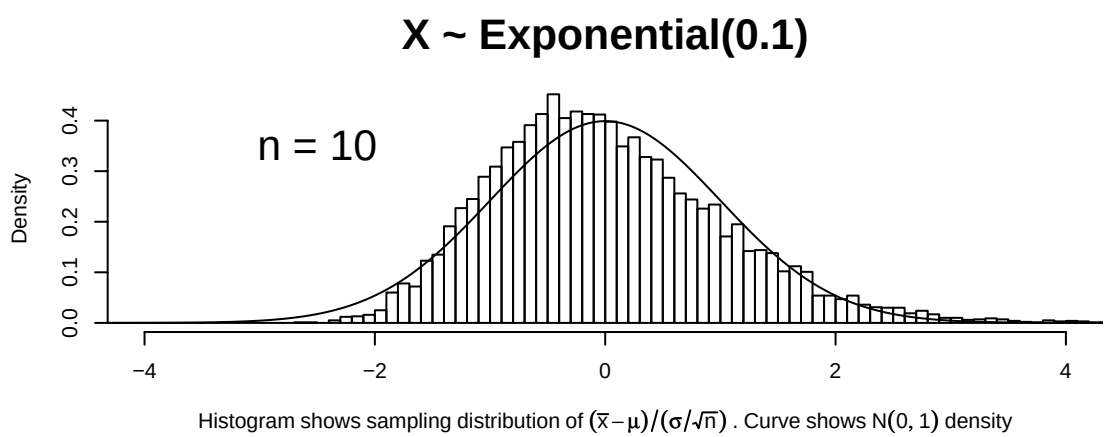

X ~ N(10, 9)
n = 1
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

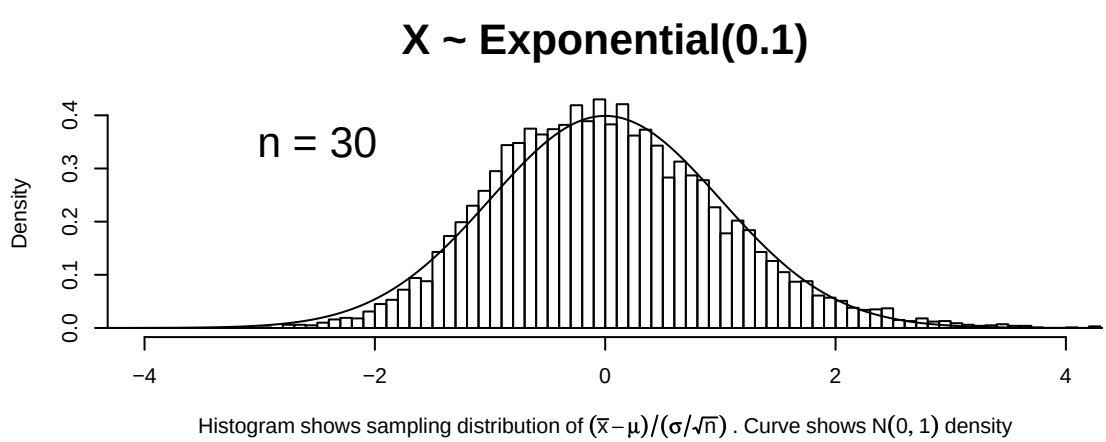

X ~ N(10, 9)
n = 10
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

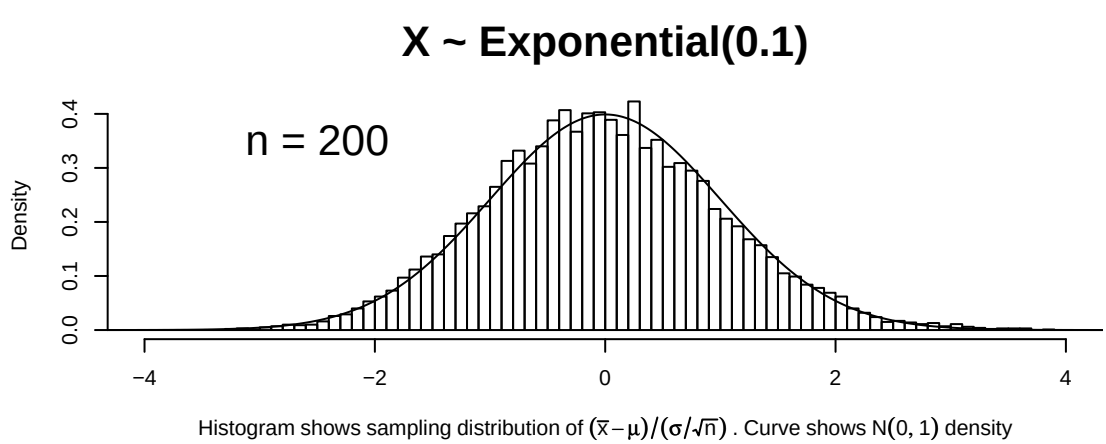

X ~ N(10, 9)
n = 30
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

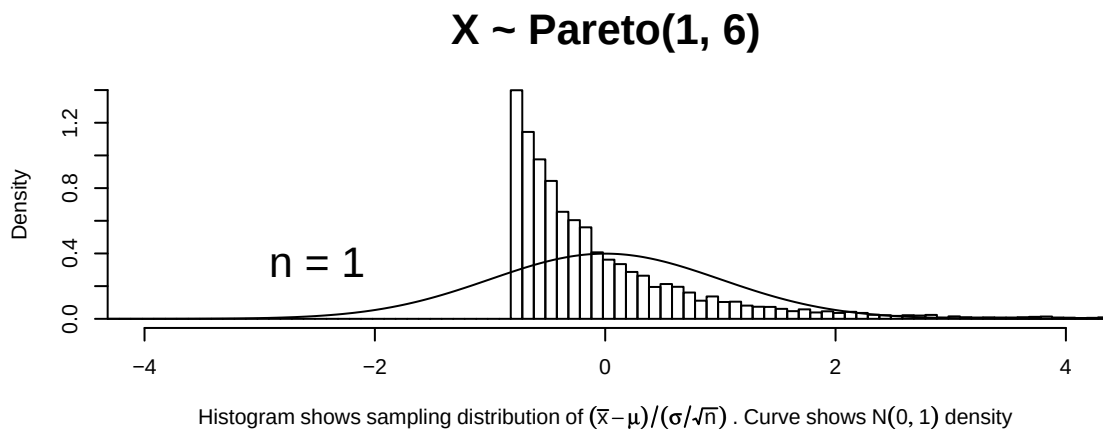

X ~ N(10, 9)
n = 200
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

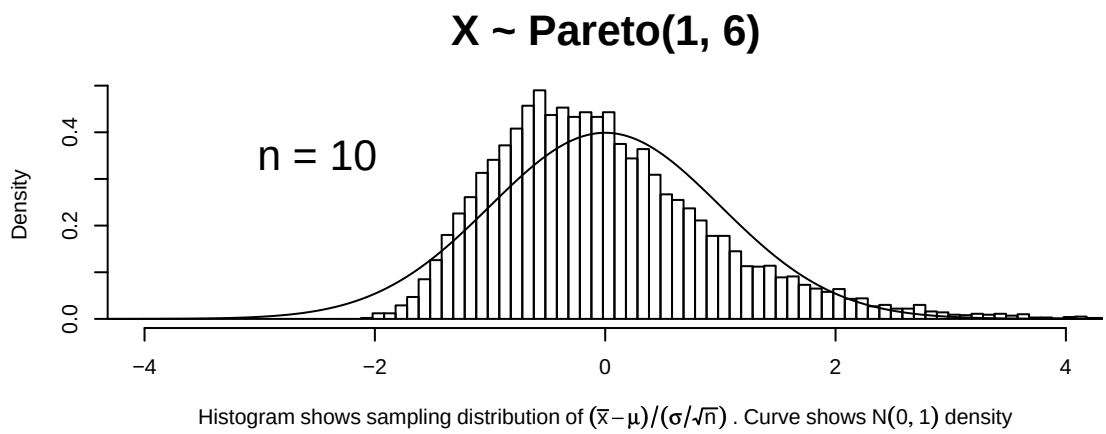

X ~ Exponential(0.1)
n = 1
Density
0.0
0.2
0.4
0.6
0.8
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

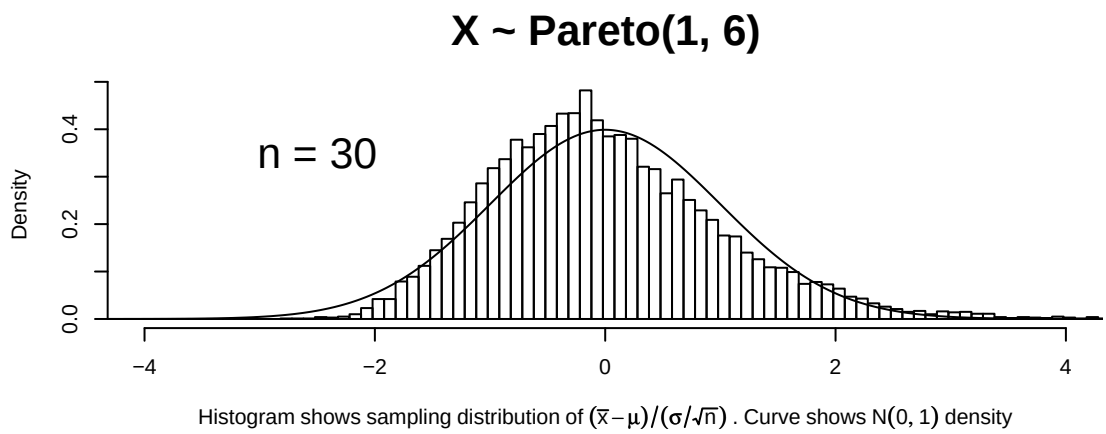

X ~ Exponential(0.1)
n = 10
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

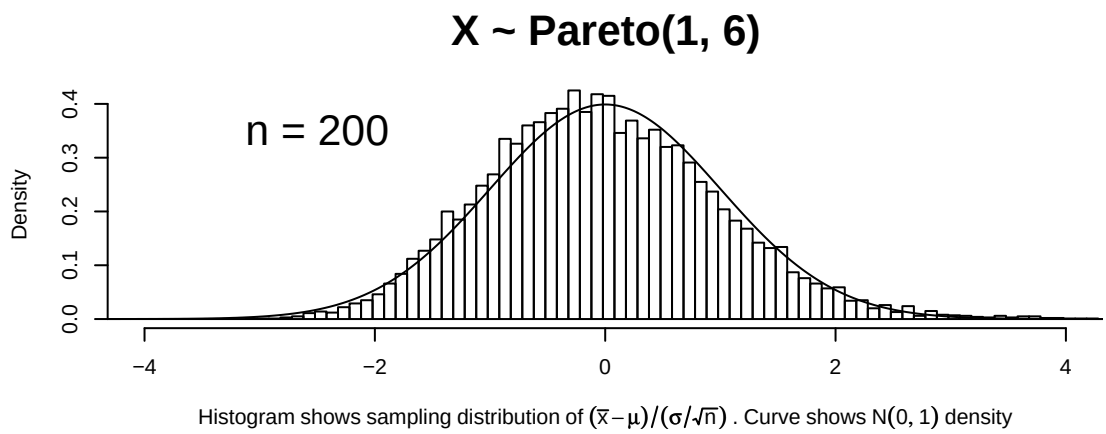

X ~ Exponential(0.1)
n = 30
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

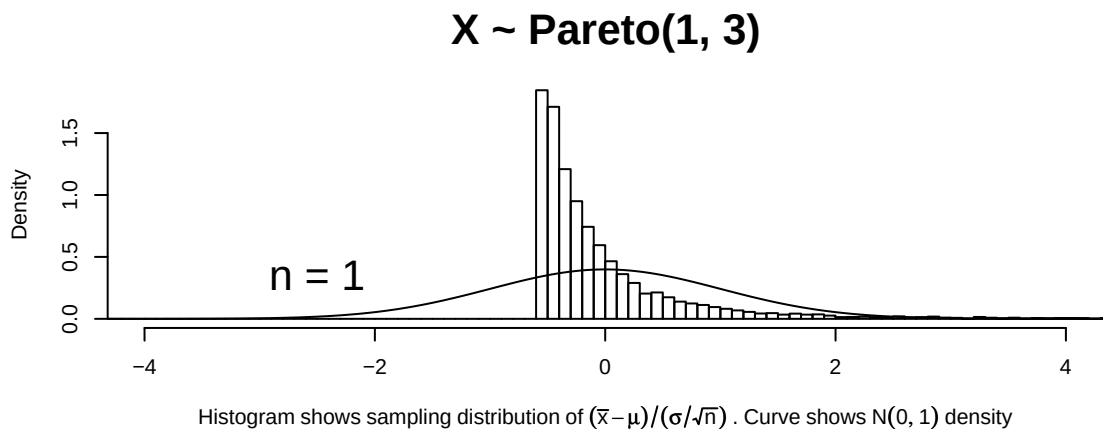

X ~ Exponential(0.1)
n = 200
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

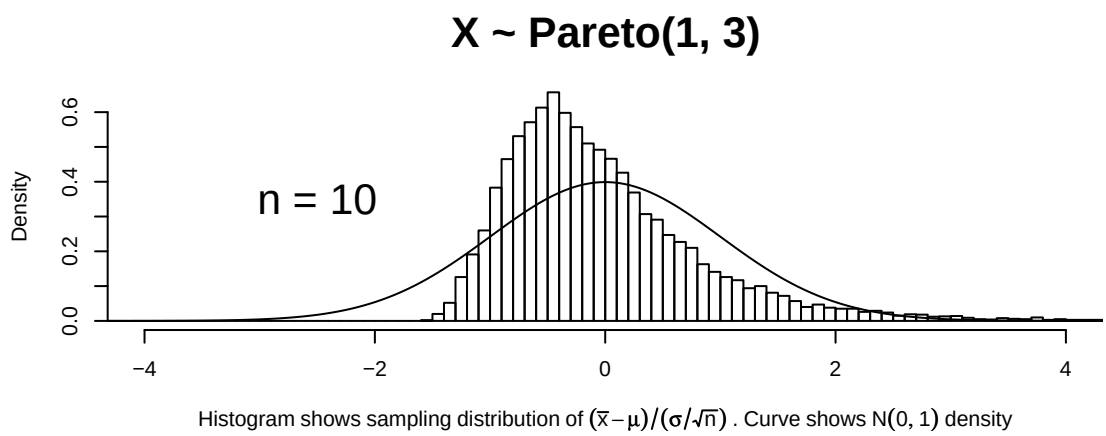

X ~ Pareto(1, 6)
n = 1
Density
0.0
0.4
0.8
1.2
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

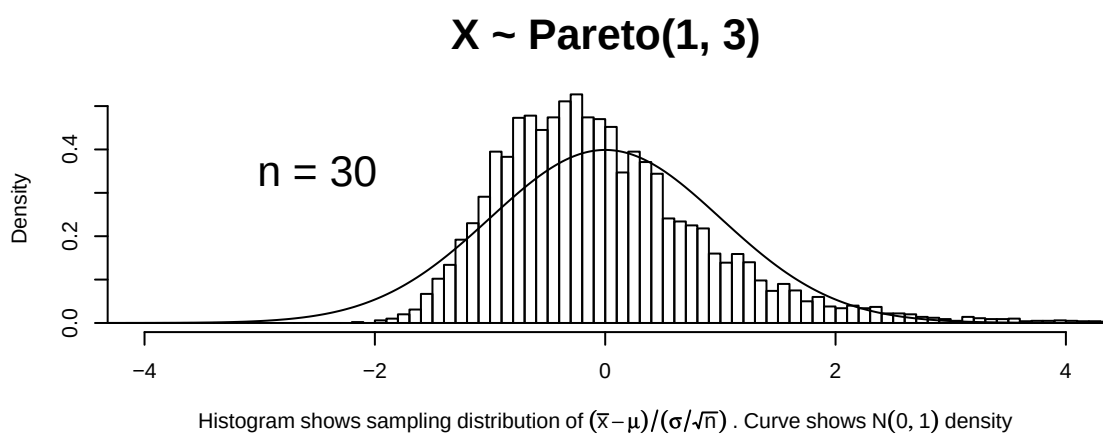

X ~ Pareto(1, 6)
n = 10
Density
0.0
0.2
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density

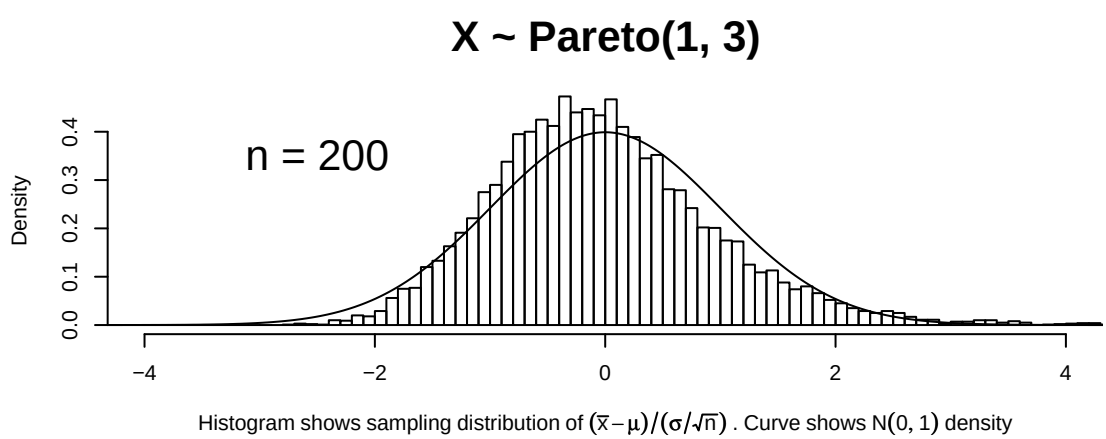

X ~ Pareto(1, 6)
n = 30
Density
0.0
0.2
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density


X ~ Pareto(1, 6)
n = 200
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density


X ~ Pareto(1, 3)
n = 1
Density
0.0
0.5
1.0
1.5
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density


X ~ Pareto(1, 3)
n = 10
Density
0.0
0.2
0.4
0.6
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density


X ~ Pareto(1, 3)
n = 30
Density
0.0
0.2
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density


X ~ Pareto(1, 3)
n = 200
Density
0.0
0.1
0.2
0.3
0.4
−4
−2
0
2
4
Histogram shows sampling distribution of $(\bar{x}-\mu)/(\sigma/\sqrt{n})$ . Curve shows N(0, 1) density