

```

μ:=0      n_set:=1·103  n_bins:=20      n:=0..n_bins=
σ:=2
random_set:=rnorm(n_set,μ,σ)
lower:=floor(min(random_set))
upper:=ceil(max(random_set))
w:= $\frac{upper-lower}{n\_bins}$ 
xn:=lower+w·n
intn:=xn+0.5·n
Fn:=n_set·w·dnorm(intn,μ,σ)
normal:=hist(xn,random_set)

```

