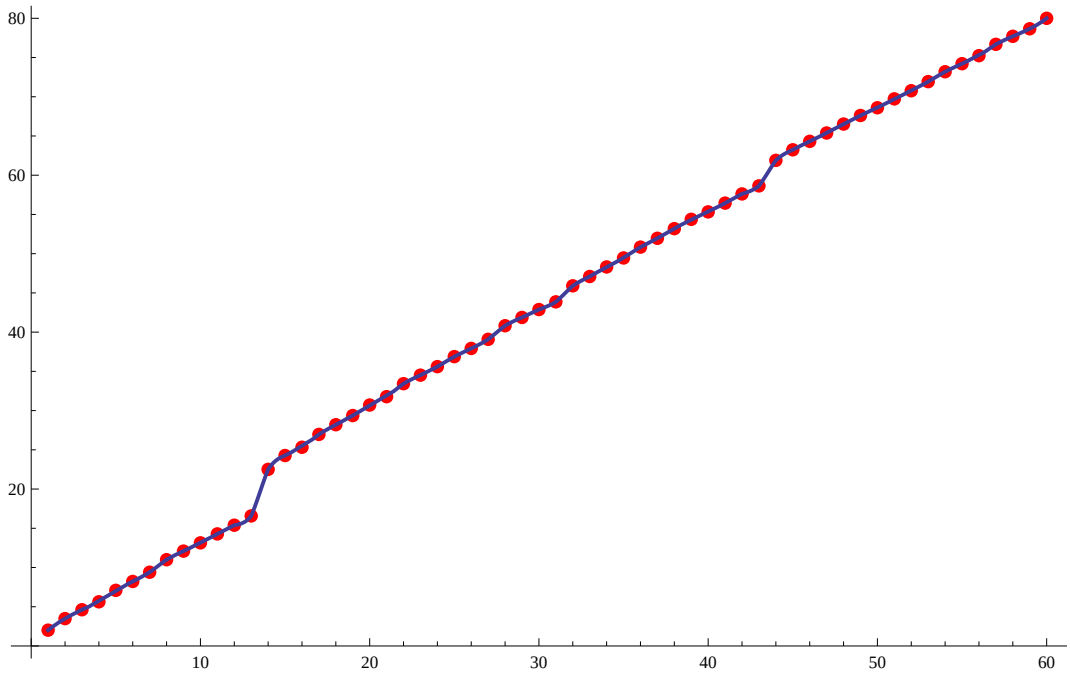
```
g = Interpolation[Transpose[{time, cumdep}]];
Show[
 ListPlot[cumdep, PlotStyle -> Directive[Red, PointSize[Large]]],
 Plot[g[x], {x, 1, 60}
  , PlotStyle → Thick, ImageSize → Large]]
```



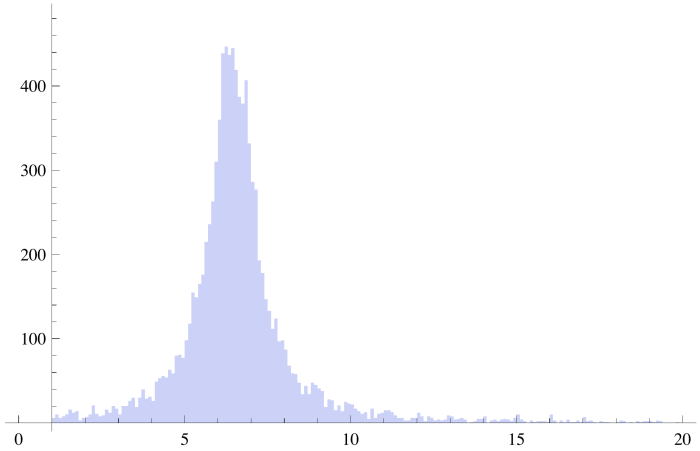
In[16]:=

```
σ = 0.08; μ = 1.2;
time = Range[60]; meantime = ConstantArray[0, 10 000];
cumdep = ConstantArray[0, 60]; tenpercen = ConstantArray[0, 10 000]; ngood = 0;
Do[
  edep = RandomReal[LandauDistribution[μ, σ], 60];
  cumdep[[1]] = edep[[1]];
  Do[cumdep[[i]] = cumdep[[i - 1]] + edep[[i]], {i, 2, 60}];
  tenpercen[[ievent]] = 6.8;
  If[cumdep[[1]] < 0.1 * cumdep[[60]], , Goto[skip]];
  ngood++;
  g = Interpolation[Transpose[{time, cumdep}]];
  tenpercen[[ievent]] =
   Flatten[FindRoot[g[x] - 0.1 * cumdep[[60]], {x, 1, 60}, Method → "Brent"] /.
      Rule → List][[2]];
  Label[skip]
  , {ievent, 10 000}];
```

In[23]:=
```
ngood
Histogram[tenpercen, {0, 20, .1}]
mten = Mean[tenpercen]
rmsten = RootMeanSquare[tenpercen - mten]
```

Out[23]= 9923

Out[24]=



Out[25]= 6.94928

Out[26]= 3.53591