# Answer on Question \#68723 - Math - Statistics and Probability <br> <br> Question 

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Fit a normal curve to the following data
x: 246810
f: 14641
$\mu=\frac{\sum x_{i} f_{i}}{\sum f_{i}}=\frac{96}{16}=6$
$\sigma=\sqrt{\frac{\sum f_{i}\left(x_{i}-\mu\right)^{2}}{\sum f_{i}-1}}=\sqrt{\frac{64}{15}} \approx 2.07$

Probability density function: $f=\frac{1}{\sigma \sqrt{2 \pi}} e^{-\frac{(x-\mu)^{2}}{2 \sigma^{2}}}=0.1927 e^{-0.1172(x-6)^{2}}$.


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