

You have data from the lavatory study. Please note that there are corrections on the website!

Answer the questions below. Use a calculator when you need it.

	Question	Work				Answer
1	What kind of problems did our collected data have? List at least three.	1a.				
		1b.				
		1c.				
2	How many lavatories were observed?					
3	How many lavatories had at least one mechanical problem (DEFECT) ("dirty" isn't included) ?					
4.	How many lavatories had at least two mechanical problems?					
5	Write a histogram table for the data by first filling out this table:	# of defects		# of lavatories		
		0				
		1				
		2				
		3				
6	Find the MEAN number of defects per lavatory.					
7.	Find the SD of the data. You don't have to list every lavatory. Instead, for each row of the table in #5, calculate the $(x-\text{mean})^2$, then multiply by the NUMBER of lavatories in that row.	# of defects (= x)	# of lavs	(x-mean)	$(x-\text{mean})^2$	ANSWER: SD =
		0				
		1				
		2				
		3				
		SUM		XXXXXXX		
		msd =				
rmsd = SD =						
8	Is the data approximately normally distributed?					