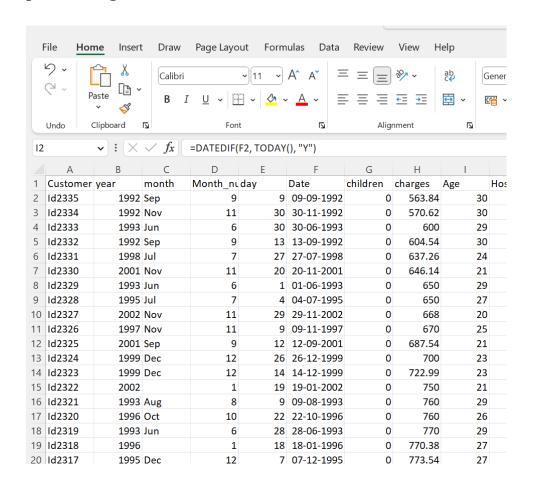
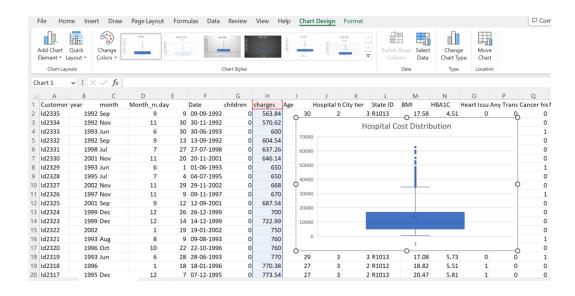
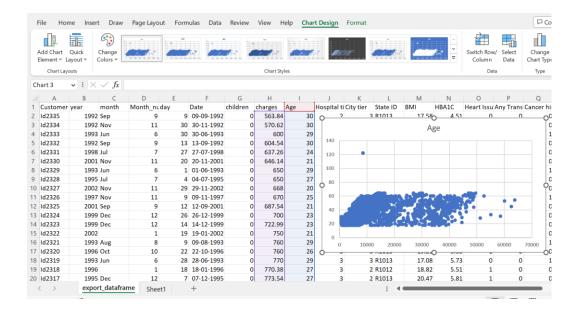
1. Age appears to be a significant factor in this analysis. Calculate the patients' ages based on their dates of birth.

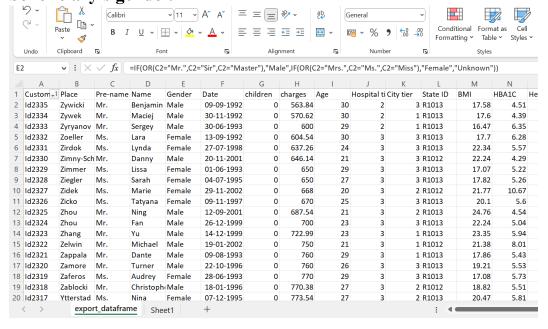


2. You should also visualize the distribution of costs using a histogram, box and whisker plot, and swarm plot.

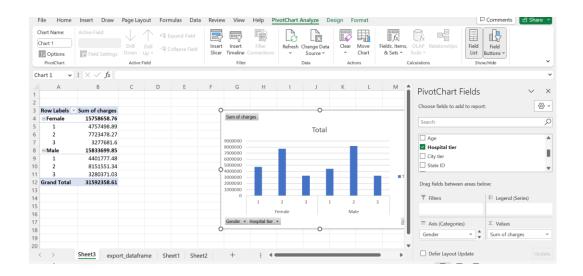




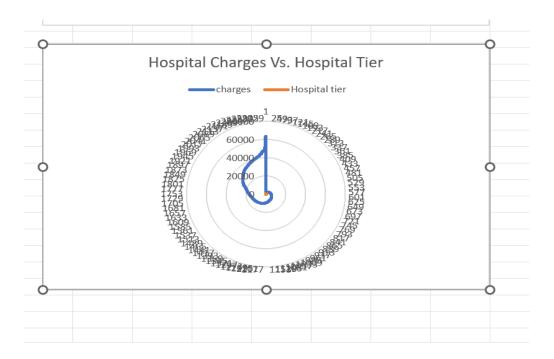
3. The gender of the patient may be an important factor in determining the cost of hospitalization. The salutations in a beneficiary's name can be used to determine their gender. Make a new field for the beneficiary's gender.



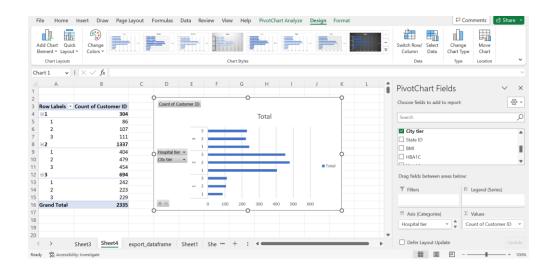
4. State how the distribution is different across gender and tiers of hospitals.



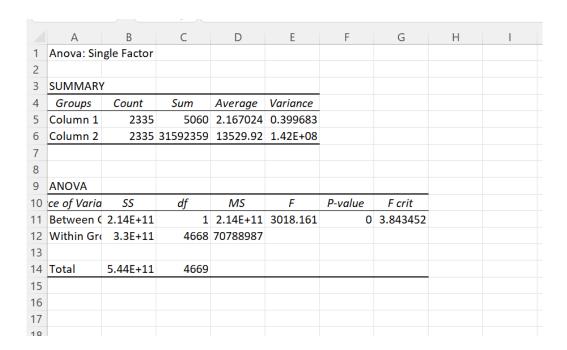
5. Create a radar chart to showcase the median hospitalization cost for each tier of hospitals.



6. Create a frequency table and a stacked bar chart to visualize the count of people in the different tiers of cities and hospitals.



- 7. Test the following null hypotheses:
 - a. The average hospitalization costs for the three types of hospitals are not significantly different



b. The average hospitalization costs for the three types of cities are not significantly different

	Α	В	C	D	Е	F	G	Н	- 1
1	Anova: Single Factor								
2									
3	SUMMARY	1							
4	Groups	Count	Sum	Average	Variance				
5	Column 1	2335	5060	2.167024	0.399683				
6	Column 2	2335	31592359	13529.92	1.42E+08				
7									
8									
9	ANOVA								
10	ce of Varia	SS	df	MS	F	P-value	F crit		
11	Between (2.14E+11	1	2.14E+11	3018.161	0	3.843452		
12	Within Gro	3.3E+11	4668	70788987					
13									
14	Total	5.44E+11	4669						
15									
16									
17									
10									

c. The average hospitalization cost for smokers is not significantly different from the average cost for nonsmokers

