

MyWriterMaster

Freelance Academic Writing



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Expert Qualification Test

Statistics

We are glad to offer you this EQT to test your subject matter depth and word doc formatting skills before taking you in our freelance expert writing team.

You will be judged on these aspects

- 1. Plagiarism and referencing:** Plagiarism (Copy pasting from external sources) is a strict offense and will result in cancellation of your solution straight away. Please note that all the assignments undergo a plagiarism test using Turnitin software and a content review from our expert reviewers before sending it to the client.
- 2. 8 word doc formatting.**
- 3. Relevant content:** The solution should be to the point and as per the questions asked.
- 4. Written English language:** Your solution should have correct grammar and sentence formation etc.
- 5. Commitment to word limits and deadline.**

*If you have any doubts regarding the above 4 points please refer
<http://mywritingmaster.in/writing-methodology/>*

Start

Test assignment question 1: Hypothesis testing

36 cans from a soft drink dispenser give an average content of 21.9 decilitres and sample variance $S_2=1.42$. Could the manufacture reasonably assert that the average content of a can is 22.2 decilitres?

Test assignment question 2: Regression analysis

The following data are UK primary fuel consumption (coal equivalent) for each quarter from 1980 quarter 1 to 1984 quarter 2 inclusive

Year	1	2	3	4
1980	1001	759	969	871
1981	919	720	633	900
1982	927	704	630	857
1983	912	725	635	847
1984	938	692		

(You will need Excel to plot the data in part i) and make sure you copy this chart from there in your answer to this part)

- Plot the data-is there any evidence of a trend?
- A regression line of consumption on quarter was fitted using a computer package and the line $Y=882.54 - 7.291x$ obtained. Use a computer to confirm this result. What is the value of R^2 (R^2 is R squared)? Why is R^2 so low?

End