



...

STAT 388/488: Multivariate Data Analysis (Archived)

[+ New post](#)

0 2 years ago

0 2 years ago

0 2 years ago

Feb 14th - Feb 20th

0 2 years ago

0 2 years ago

0 2 years ago

Feb 7th - Feb 13th

1 online now

### ⤴ Problem 4.39(a)

- (edited) ...

This is actually a really intuitive way of doing it. It is worth noting that the critical points are not entirely linear, so it might be off a bit. It won't be that much because it's so close to 1, but it might make a difference if it's really close.

↩ Reply

★ An instructor (Mena Whalen) endorsed this answer

...

hmm, I don't have an exact answer, but to assess this along with creating the qqplots I had used the `univariateTest` option within the `mvn` function to conduct the Shapiro-Wilk's tests for normality on each of the variables. I hope this is some help.

1 reply   [↩ Reply](#)

...

From this section <https://cran.r-project.org/web/packages/MVN/vignettes/MVN.html#18 Univariate plots and tests>

↩ Reply

...

I was luckily able to find the following table online:

<https://www.itl.nist.gov/div898/handbook/eda/section3/eda3676.htm>

We can see the critical value for  $n = 130$  and  $\alpha = 0.05$  is listed as 0.9897. However, absent