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PSYC 3031

Title:

Post-Coma Recovery of IQ

Visualization Question:

What is the relationship between the duration of the coma and the cognitive ability (piq & viq) in different gender?

Variables Description:

Variable name	Label	Value	Type
Duration	Duration of the coma in days		Continuous
Sex	Patients' gender		Categorical
Piq	Performance IQ		Continuous
Viq	Verbal IQ		Continuous

Report:

According to the graphs of both piq and viq with duration, it doesn't see any of correlational relation between patient's cognitive ability and the duration of the coma.

The mean of the days patients in coma of female is 15.67 days, with 89.18 in piq and 94.35 in viq. In contrast, the mean of the days in coma of male is 15.67 days, with 87.11 in piq and 94.35 in vip.

However, according to both of the graphs, mostly patients were gathering in 0 to 10 days in coma with 70 to 120 in both viq and piq test.

Limitation:

The major limitation of this statistics is the data are unevenly sampling. There are only 71 female participants but 260 male participants. Thus, it is problematically to relay on this data to interpretate the relationship between gender. Further, there are many outliers in duration, causing the analysis of graphs become difficult.