

# **Employability Quotient Test (EQT) Analysis**

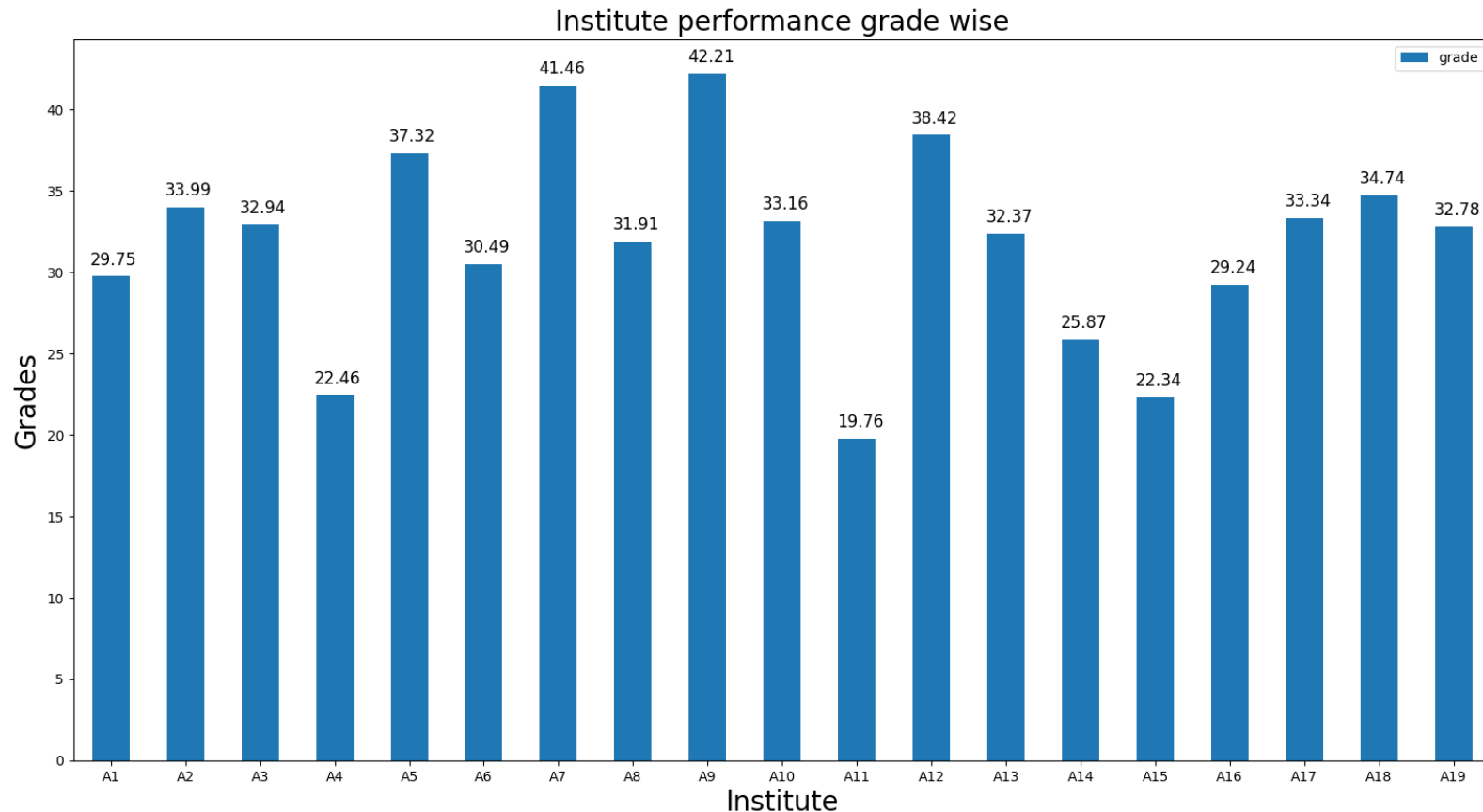
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# Anomalies and Data Cleaning

- From excel files of 19 institutes, we observe that only 1326 students submit the exam out of 1337. So we consider only 1326 student for analysis.
- All the institutes have negative mark of '-0.25' for the wrong attempts, '1.00' for the correct attempts and '-' for not attempting questions, but the institute A12 didn't given any negative marks for wrong answer and it filled by '0.00' instead of '-0.25'. So here we replace the '0.00' as '-0.25'.
- It is notified that exam is for 1 hour, From files we have few students who exceed the maximum time of 1 hour(60 min) and was replaced as 1 hour for all.
- From q1 to q60, we can't analyse it, because we don't know how the question was displayed in dashboards of the individual students as a random or sequence and we cannot consider the particular one as numerical, logical, verbal respectively. So here we taken the percentage of logical, numerical, verbal and IT awareness as it is from the file given.

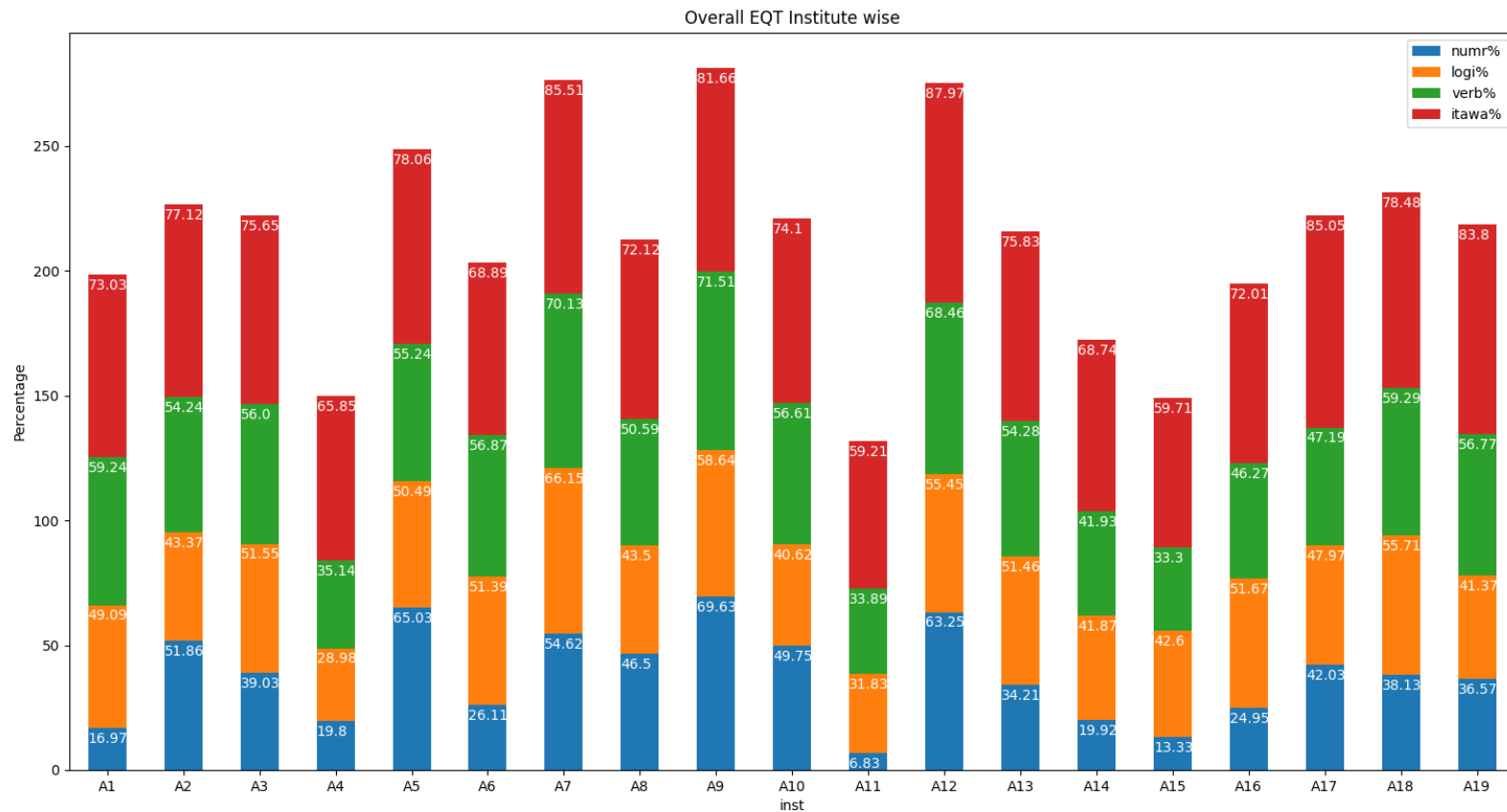
# Institutes Overall Grade on EQT

- The below plot depicts the overall grade on EQT by institutes level. Here A9 institute performed well followed by A7, A12 and A5 respectively and the least performed by A11 institute and followed by A15 and A4 in low grade .
- Although the performance of A7 is comparable with A9, it should be noted that the number of students in these institutes are 13 against 149 in A9. So the achievement of institute A9 is remarkable.
- There was 11 institutes (A2, A3, A5, A7, A9, A10, A12, A13, A17, A18, A19) performed above average grade out of 19 institutes.



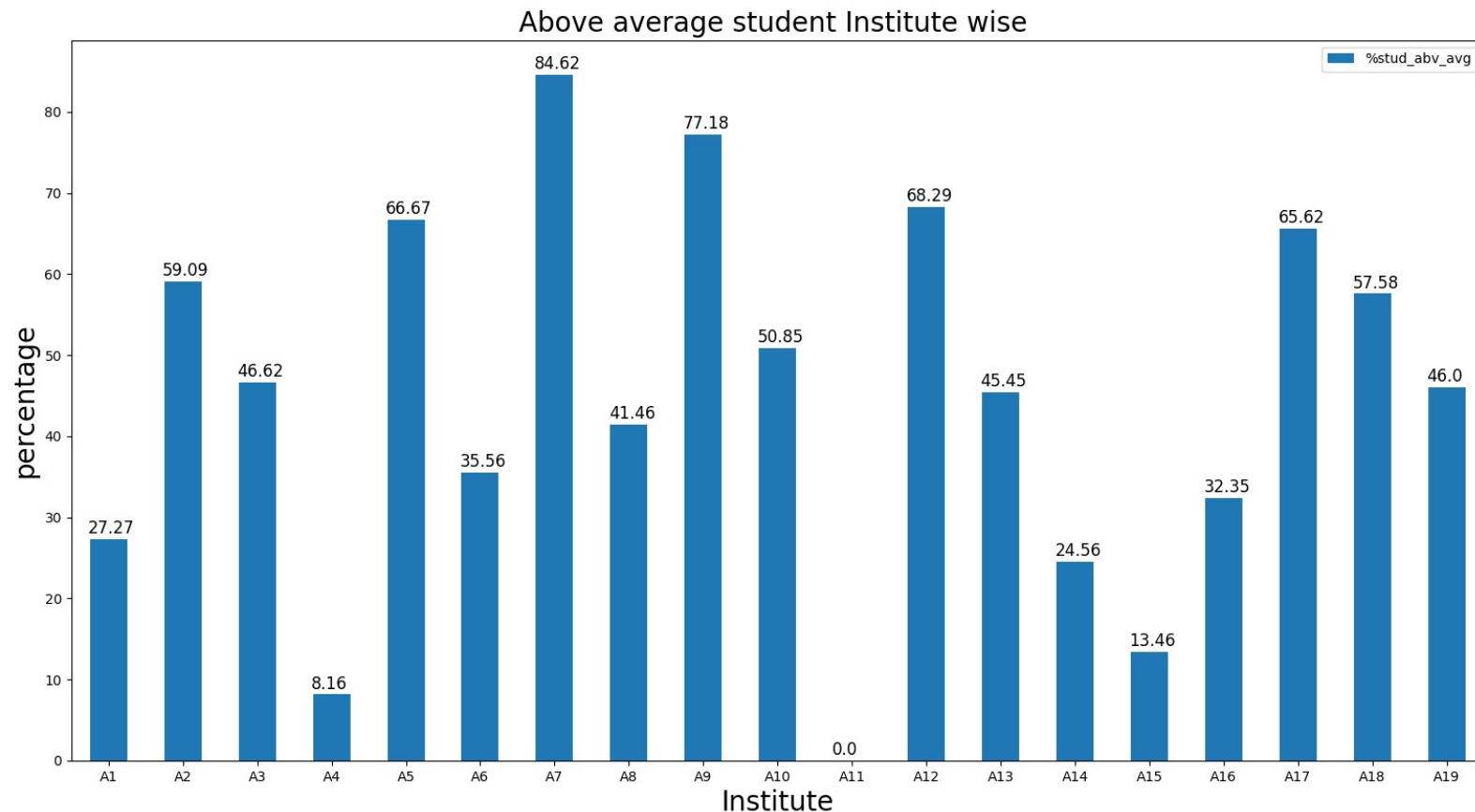
# Performance on EQT Institute-wise

- The below stacked bar chart depicts the EQT on numerical,logical,verbal,IT awareness percentages of different institutes.
- From the plot we came to know that numerical type was worst performed by the students followed by logical and verbal.
- The students are good at IT awareness were most of the institutes performed well.



# Percentage of above average students Institute wise

- From the figure it can be seen that institute A7 has 84.62% of students who are above average followed by A9 which has 77.18% also institutes A2,A5,A12,A10,A12,A17,A18 who has more than 50% of students scored above above average.



# Time taken by individual students for EQT

- The plot shows the time taken by the students in all institutes to submit the EQT exam. The red line divides the data points into marks scored above and below average. The green points represent the students scored above average and cyan indicates below average. From the plot most of the above average students took 50 to 60 minutes to complete.

