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Report on SSLC Data Analysis

Group 27

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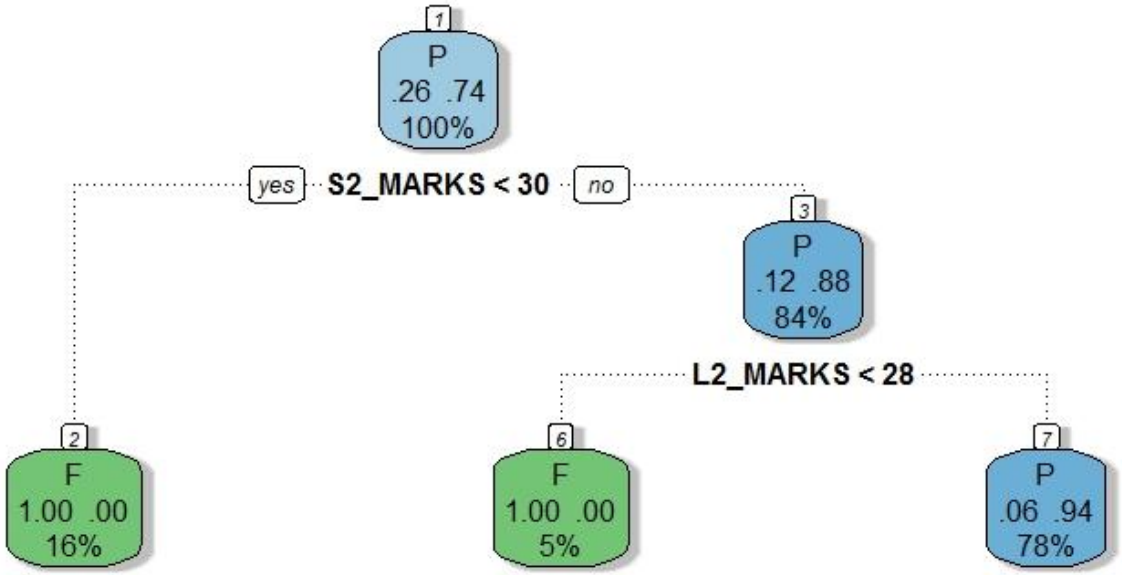
Good things :

1. Top Schools :
    a. Physically Handicap Candidates :
        i. Vinayaka junior college hagalavadi, gubbi taluk tumkur district
        ii. The new cambridge high school vijayanagar, bangalore
        iii. Government jr. College amruthur, kunigal taluk tumkur district
        iv. Government high school banderwad, afzalapur taluk gulbarga district
        v. Govt empress girls comp p.u. college tumkur tumkur district

    b. Blind Candidates :
        i. Maheshwari school for blind nehrunagar belgaum district
        ii. Sri siddaruda swami blind childrens res high school a. V. Pujar bulding siddaruda matada main road ,old hubli dharwar hubli urban tq , dharwar dist.
        iii. Govt.high school nayanadu bantwal taluk d k district
        iv. J s b free residential school for blind archakarahalli, ramanagaram taluk ramanagara district
        v. Government high school turakarashigihalli bailahongal tq belgaum district

2. Most Influential Subjects :

- S2_MARKS and L2_MARKS are most influential subjects in SSLC to determine whether candidate will Pass or not. Following is the decision tree that helps to predict candidate result on the basis of S2_MARKS and L2_MARKS.



Conclusion:

- Given S2_MARKS and L2_MARKS the above decision tree can predict whether candidate will Pass or Fail with accuracy of 97.5% .

Bad Things:

1. District Wise Performance :

District Name	Pass Percentage
Uttar Kannada	84.3
Udupi	83.38
Mandya	82.80
Belgaum	82.73
Dakshin Kannada	82.14

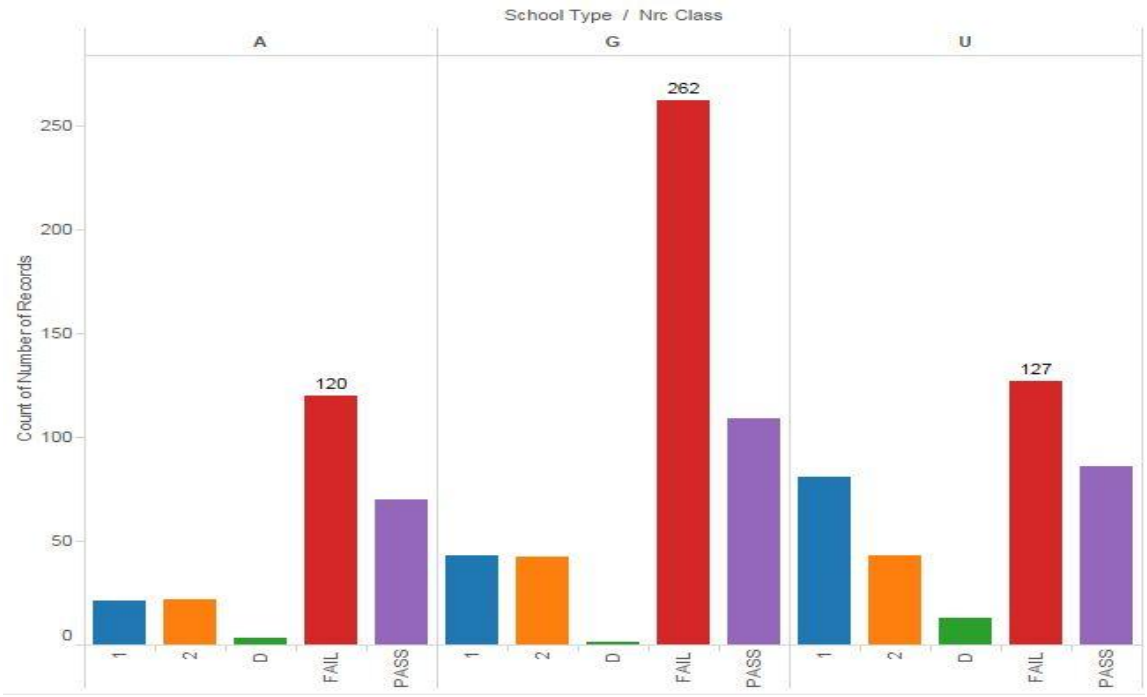
Top performing districts

District Name	Pass Percentage
Bidar	51.19
Gulbarga	64.98
Bijapur	69.29
Kolar	71.32
Bangalore Urban	71.41

Worst performing districts

Point To Note:

- Government needs to put more effort to raise the condition of worst performing districts.
- There are few districts which are performing below average, Bidar is one of them.
- In Bidar 43.81% of students are from government type school and only 42.66% people pass from government school in Bidar. Following chart depicts the condition of Bidar very well.

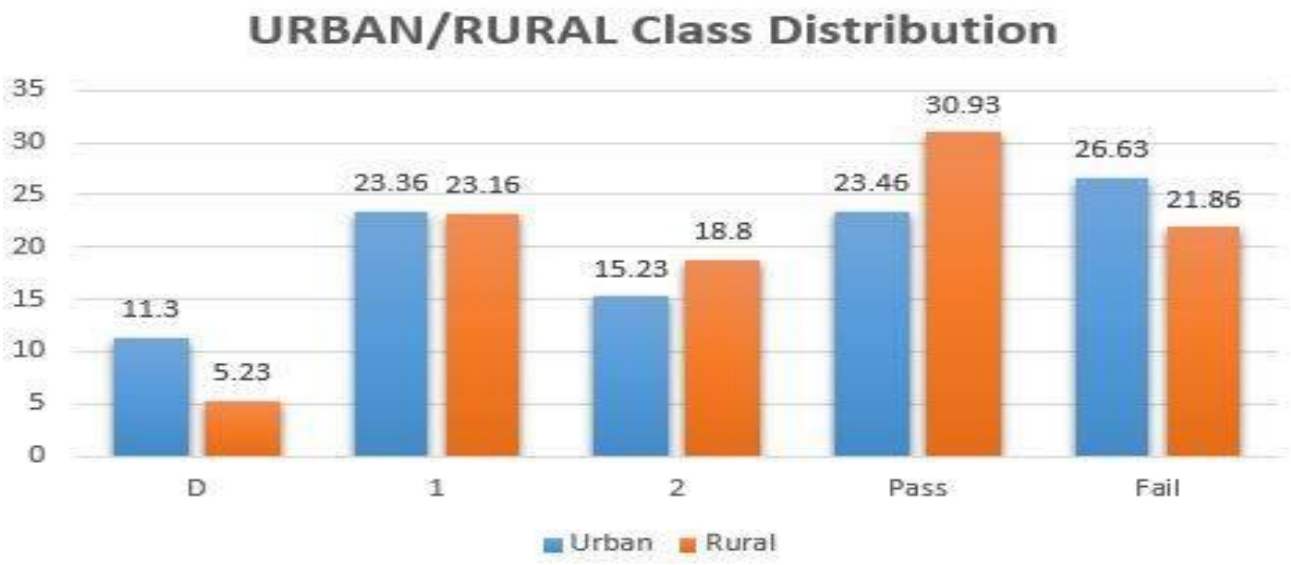


Conclusion:

- Government schools in Bidar needs improvement.

2. Urban/Rural Class Distribution :

- If candidate belongs to RURAL then there is 3% chances that he/she will get distinction.
- Number of student passing in RURAL areas are higher than that of URBAN.
- Majority of students in RURAL areas belong to PASS category.



	DISTINCTION	~DISTINCTION
Rural	0.03	0.54
~Rural	0.05	0.38

Conclusion:

- Effort should be made to improve the grades of the student in RURAL areas.