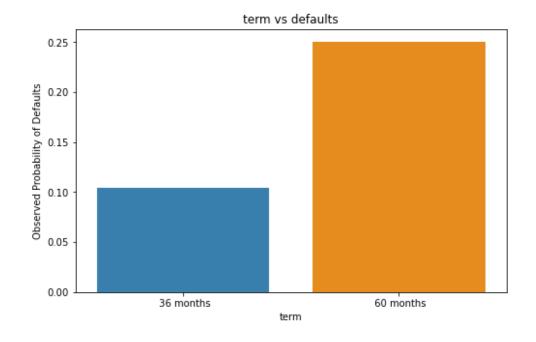
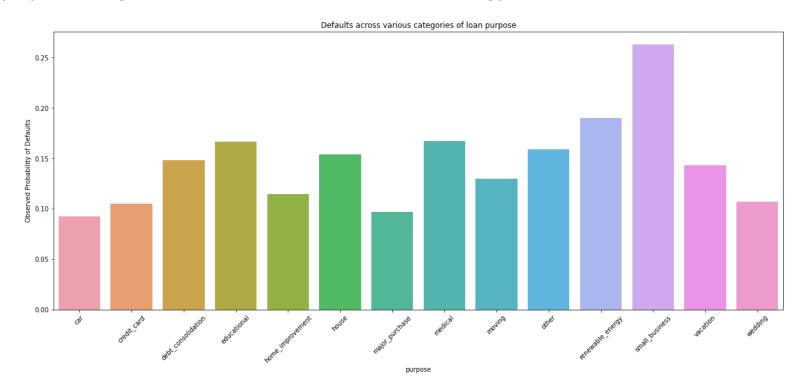
Note:

• If the presentation is viewed via the GitHub browser, please click on "More Pages" at the end of page 5, to view all the pages & conclusions

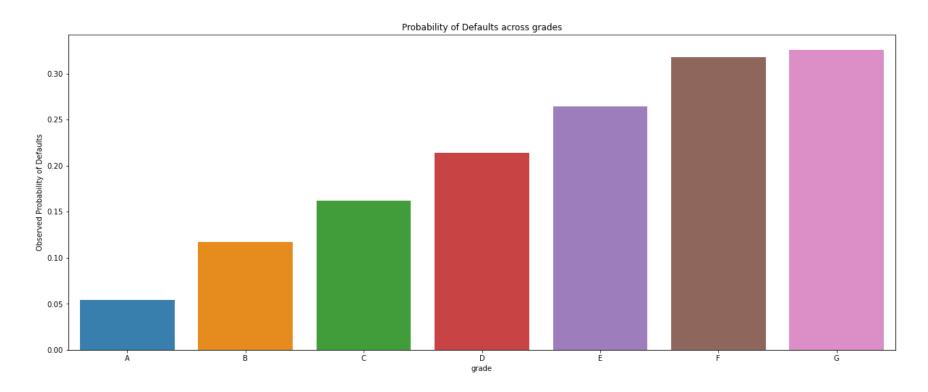
- "term" is a strong driver variable of default
- At least 1 out of 4 loans (25%) in "60 months" end up defaulting
- This helps the company to manage their portfolio by not allocating a high number of loans in the high risk "60 month" category



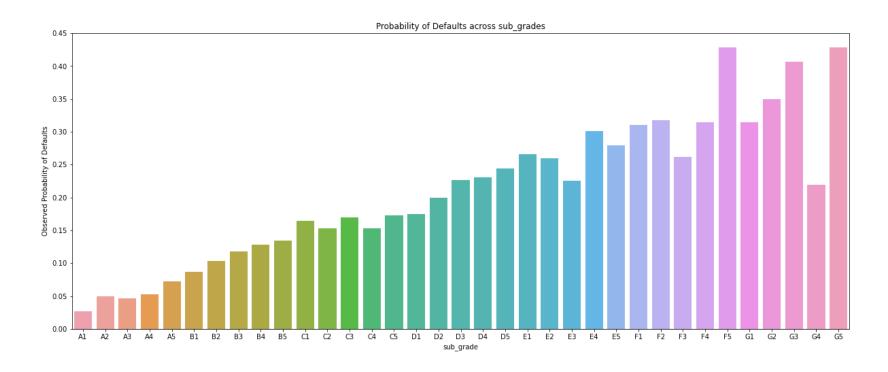
- "purpose" is a strong driver variable of default
- Ex: at least 1 out of 4 loans (>25%) in "small business" end up defaulting
- This helps the company to manage their portfolio by not allocating a high number of loans in the high risk "purpose" categories like "small business", "renewable energy".



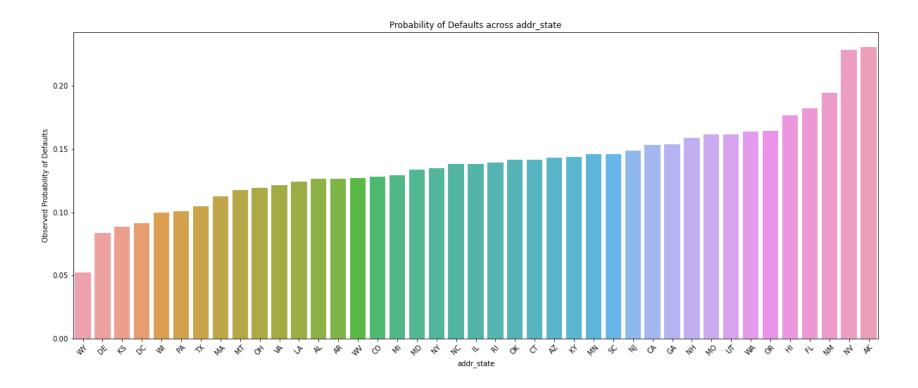
- "grade" is a strong driver variable of default
- Ex: more than 30% of loans in grade G & F end up defaulting
- This helps the company to manage their portfolio by not allocating a high number of loans in the high risk "grade" categories like "G", "F"



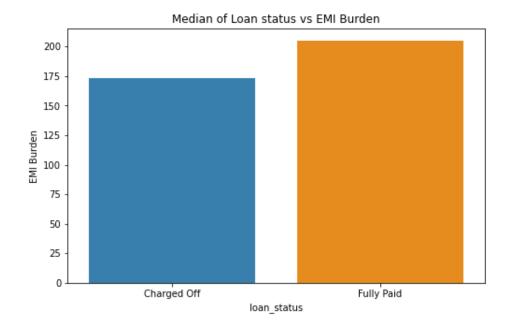
- "sub_grade" is a strong variable of default
- Ex: more than 40% of loans in "F5" & "G5" end up defaulting
- This helps the company to manage their portfolio by not allocating a high number of loans in such high risk "sub_grade" categories



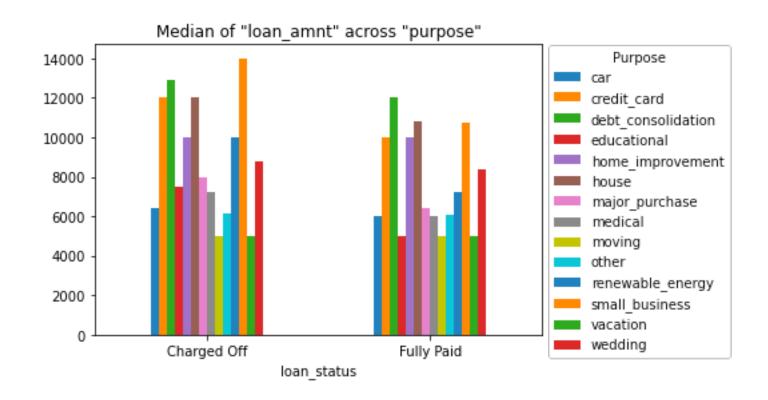
- "addr_state" is a strong variable of default
- Ex: more than 20% of loans in "NV" & "AK" end up defaulting
- This helps the company to manage their portfolio by not allocating a high number of loans in such high risk "addr_state" categories



- Business Driven Metric EMI_BURDEN
- Defined as the ratio of "annual_inc" to "installment"
- The medians of the calculated emi_burden are "173" & "205" for "Charged Off & "Fully Paid" respectively.
- Fully paid loans have much higher emi_burden values than that of defaults
- This derived metric helps in predicting defaults at the time of approval
- Note: The metric must be used with caution. An increase/decrease in "annual_inc" during the term can greatly affect its importance



- Defaulters have significantly higher "loan_amnt" for "purpose" "small_business", "credit_card", "renewable_energy" categories
- This helps the company to manage their portfolio by not approving loans of higher "loan_amnt" among such categories



- Among loans in grade "G", "defaulters" have **significantly lesser "annual_inc"** compared to the ones who have "Fully Paid"
- This potentially means that the company must consider higher values of "annual_inc" for approval of loans among applicants of grade "G"

