PROG8460 MidTerm

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Pre-processing

Run data\_clean.py and cleaned dataset will be generated as ‘cleaned\_data\_set.xlsx’

Graphical user interface, text

Description automatically generated

Task 1

1-1

All 1000 data recorded, no data has been deleted

Graphical user interface, text, application

Description automatically generated

1-2

Chart, histogram

Description automatically generated

1-3

A picture containing chart

Description automatically generated

From chart we can see the max growth is in Travel&Hospitality which is 5.24%, least is in Engineering which is 318.78%

1-4

Table

Description automatically generated

First we set the rate of profit as (revenue-expense)/expense

From the dashboard we can see Travel&Hospitality, Secruty, Consumer products, Media and Computer Hardware, Government Services had the fastest growth in 2015. At the same time Real Estate,Computer Hardware has the lowest total expense and Government Services had the average highest rate of profit. Travel& Hospitality has the highest averange expense, however the rate of profit also very high, Media and Retail, Security have the highest revenue.

From this chart we can understand the Government Service might be the best industry to invest.

Chart, bar chart

Description automatically generated

And from rate of profit and growth the Freshholdings has 2570% rate of profit and also has 4.98% growth from last year. It is the best business to invest in 2015.

Task2

2-1

Poor planning: the schedule the team member should follow are not set out or the picture is not clear that employees don’t know what and how to work on the project.

Poor project management: the whole project is not detailed in tasks, the condition of project success or fail is not clear, the project statement is not able to tracking

Undelivered business requirements: the project concluded without satisfying the project requirement or not finished all the tasks to reach the goal.

Poor quality of delivered business requirements: the project ended with finished all the tasks but the quality is not good enough to reach the goal or the tasks are completed but not saitisfy the business requirement.

2-2

First is stop the project and reset the project goal with complete planning. Stop the project is reduce the failure cost. Reset the planning to let the scope clear, what business requirement need to be delivered.

Then evaluate the project to ensure that how many old-tasks qualified the new goal and how many new-tasks need to be handle until satisfy the requirement.

Adjust the schedule and members,equipments, hiring higher skilled employee or equip better tools to support the higher technical requirement.

Start the project again.