Prof. RP Raghupathi

Spring 2020

Business Analytics for Managers

**GREAT IDEAS REPORT (4% of grade)**

**UPLOAD WORD DOC (no pdf) BY 11-59 pm, 2/10/20, Monday**

**Complete survey monkey by 11-45 pm, 2/12/20**

**Instructions:**

1. No two ideas can be from same subject/topic. Each idea must be unique.
2. Each group member will give 1 idea.
3. No ideas of previously projects, projects from other classes, completed project with publications on web and no data set from Kaggle, USC ML repository or other repositories. Your work must be original *(see Ideas handout).*
4. Plagiarism of any form will result in grade of zero.
5. Discuss all ideas in group before upload.
6. *Each idea table should not exceed 1 page*.
7. Font size 12, Times New Roman.
8. Each group must have an approved topic before proceeding to Concept Design.

**Group Name:**

**Group Member Names:**

**Group Recommendation (after discussion) – which idea do you recommend? # and Title:**

|  |  |
| --- | --- |
| **IDEA 1** | **Give your information in this column** |
| Group member name | QINHUAI GONG |
| TITLE | Social factors that influence Diabetes |
| Research question | Find out the social factors that influence the Diabetes |
| Data source: exact full web link | [**https://apps.bea.gov/iTable/iTable.cfm?reqid=19&step=2#reqid=19&step=2&isuri=1&1921=survey**](https://apps.bea.gov/iTable/iTable.cfm?reqid=19&step=2#reqid=19&step=2&isuri=1&1921=survey)  [https://gis.cdc.gov/grasp/diabetes/DiabetesAtlas.html#](https://gis.cdc.gov/grasp/diabetes/DiabetesAtlas.html) |
| Is data downloadable?  What format? | **cvs** |
| List of independent variables (7-10) | Personal income, Medicaid, Government social benefits to persons , Personal saving as a percentage of disposable personal income, GDP, unemployment rate, education level, age, gender |
| List of dependent variables (5-7) | Different age Diabetes rate, different gender diabetes rate, different education diabetes rate, overall diabetes rate |
| # of years data, period | 1980 to 2017 |
| Data types (integer, numeric, alpha numeric, etc)  Data scales (ordinal, nominal, ratio, interval) | Numeric  Ratio and nominal |
| Data size (# of years X # of variables X # of rows) = give formula and total size |  |
| Drill down/multidimensional analysis capability – Y/N?  Example | Time series from 1980 to 2017 yes |
| Certify – original idea – Y/N? | **yes** |

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| **IDEA 2** | **Give your information in this column** |
| Group member name |  |
| TITLE |  |
| Problem Statement |  |
| Data source: exact full web link |  |
| Is data downloadable?  What format? |  |
| List of independent variables (5-7) |  |
| List of dependent variables (3-5) |  |
| # of years data, period |  |
| Data types (integer, numeric, alpha numeric, etc)  Data scales (ordinal, nominal, ratio, interval) |  |
| Data size (# of years X # of variables X # of rows) = give formula and total |  |
| Drill down/multidimensional analysis capability – Y/N?  Example |  |
| Certify – original idea – Y/N? |  |

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| --- | --- |
| **IDEA 3** | **Give your information in this column** |
| Group member name |  |
| TITLE |  |
| Problem Statement |  |
| Data source: exact full web link |  |
| Is data downloadable?  What format? |  |
| List of independent variables (5-7) |  |
| List of dependent variables (3-5) |  |
| # of years data, period |  |
| Data types (integer, numeric, alpha numeric, etc)  Data scales (ordinal, nominal, ratio, interval) |  |
| Data size (# of years X # of variables X # of rows) = give formula and total |  |
| Drill down/multidimensional analysis capability – Y/N?  Example |  |
| Certify – original idea – Y/N? |  |

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| **IDEA 4** | **Give your information in this column** |
| Group member name |  |
| TITLE |  |
| Problem Statement |  |
| Data source: exact full web link |  |
| Is data downloadable?  What format? |  |
| List of independent variables (5-7) |  |
| List of dependent variables (3-5) |  |
| # of years data, period |  |
| Data types (integer, numeric, alpha numeric, etc)  Data scales (ordinal, nominal, ratio, interval) |  |
| Data size (# of years X # of variables X # of rows) = give formula and total |  |
| Drill down/multidimensional analysis capability – Y/N?  Example |  |
| Certify – original idea – Y/N? |  |

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| **IDEA 5** | **Give your information in this column** |
| Group member name |  |
| TITLE |  |
| Problem Statement |  |
| Data source: exact full web link |  |
| Is data downloadable?  What format? |  |
| List of independent variables (5-7) |  |
| List of dependent variables (3-5) |  |
| # of years data, period |  |
| Data types (integer, numeric, alpha numeric, etc)  Data scales (ordinal, nominal, ratio, interval) |  |
| Data size (# of years X # of variables X # of rows) = give formula and total |  |
| Drill down/multidimensional analysis capability – Y/N?  Example |  |
| Certify – original idea – Y/N? |  |

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| --- | --- |
| **IDEA 5** | **Give your information in this column** |
| Group member name |  |
| TITLE |  |
| Problem Statement |  |
| Data source: exact full web link |  |
| Is data downloadable?  What format? |  |
| List of independent variables (5-7) |  |
| List of dependent variables (3-5) |  |
| # of years data, period |  |
| Data types (integer, numeric, alpha numeric, etc)  Data scales (ordinal, nominal, ratio, interval) |  |
| Data size (# of years X # of variables X # of rows) = give formula and total |  |
| Drill down/multidimensional analysis capability – Y/N?  Example |  |
| Certify – original idea – Y/N? |  |