**Project Proposal – CS 6315.501**

**Team Information**

**Team Name:** Logic, Proof, and Trust

**Team Members:**

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**Project Information**

**Type of Project**: Custom Project

**Project Title**: State-wise distribution of Veteran expenses and benefits - FY07 and FY08

**Data sets:**

1) Veterans Affairs Geographic Distribution of Expenses FY07 by State and County

2) Veterans Affairs Geographic Distribution of Expenses FY08 by State and County

3) Veterans Health Administration 2008 Hospital Report Card - Waiting Times

4) Veterans Health Administration 2008 Hospital Report Card - Medical Center Staffing

5) Veterans Health Administration 2008 Hospital Report Card - Quality of Care – Populations

6) FY08\_Veterans\_Compensation\_and\_Pension\_by\_County

**Data Source:**

Dataset 1152 – <http://data-gov.tw.rpi.edu/raw/1152/data-1152.rdf> (No. of triples: 44,007)

Dataset 1154 – <http://data-gov.tw.rpi.edu/raw/1154/data-1154.rdf> (No. of triples: 40,654)

Dataset 1204 - <http://data-gov.tw.rpi.edu/raw/1204/data-1204.rdf> (No. of triples: 1118)

Dataset 1205 - <http://data-gov.tw.rpi.edu/raw/1205/data-1205.rdf> (No. of triple: 1257)

Dataset 1208 – <http://data-gov.tw.rpi.edu/raw/1208/data-1208.rdf> (No. of triples: 2,369)

Dataset 1538 – <http://data-gov.tw.rpi.edu/raw/1538/data-1538.rdf> (No. of triples: 53,488)

**Tools needed:**

Apache Jena Fuseki Server, Google Visualization API’s, Gruff.

**Expected Results -Visualization (Tentative- This includes all the ideas presented by team and may change):**

**1) To summarize the datasets and present the following results:**

a) Present the average population of each state during the given years (2007,2008)

b) Present the average expenditure of each state during the given years (2007,2008)

c) Present average pension and compensation details during the given years.

d) Present average Medical expenditure, Number of people across different genders getting

medical benefits during the time frame.

e) Present number of people across different age gaps getting medical benefits.

f) Present number of hospital staff (doctors and nurses) per veteran in every state.

g) Present average wait time for veterans in every state.

**Target Audience:**

Department of Veteran Affairs.

**Milestones:**

1) Understand Semantics of Data sets latest by: March 12th

2) Write SPARQL Queries for above discussed ideas latest by: March 22th

3) Prepare HTML page for visualization of results achieved in step 2 by: April 5th

4) Final review and report: April 7th

5) Final Submission: April 9th