Visualizing Warlogs

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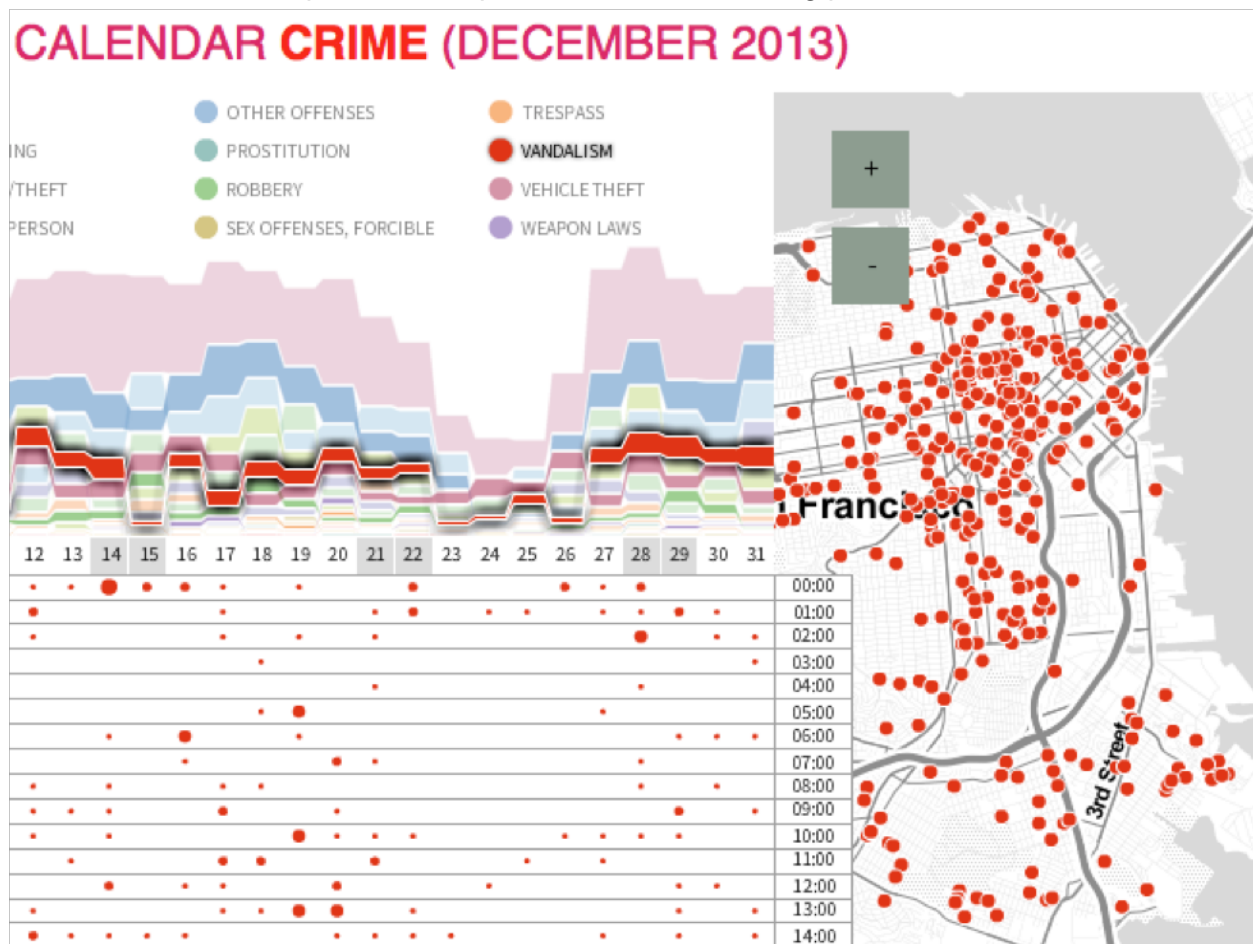*M. Tesconi - 333444*

Introduction

Warlog dataset contains statistics about several military missions during campaing in Iraq. The statistics contains references to the place (via latitutde longitude coordinate) where the mission took place; the time reference of the action; the amount of civilians involved in the action; etc.
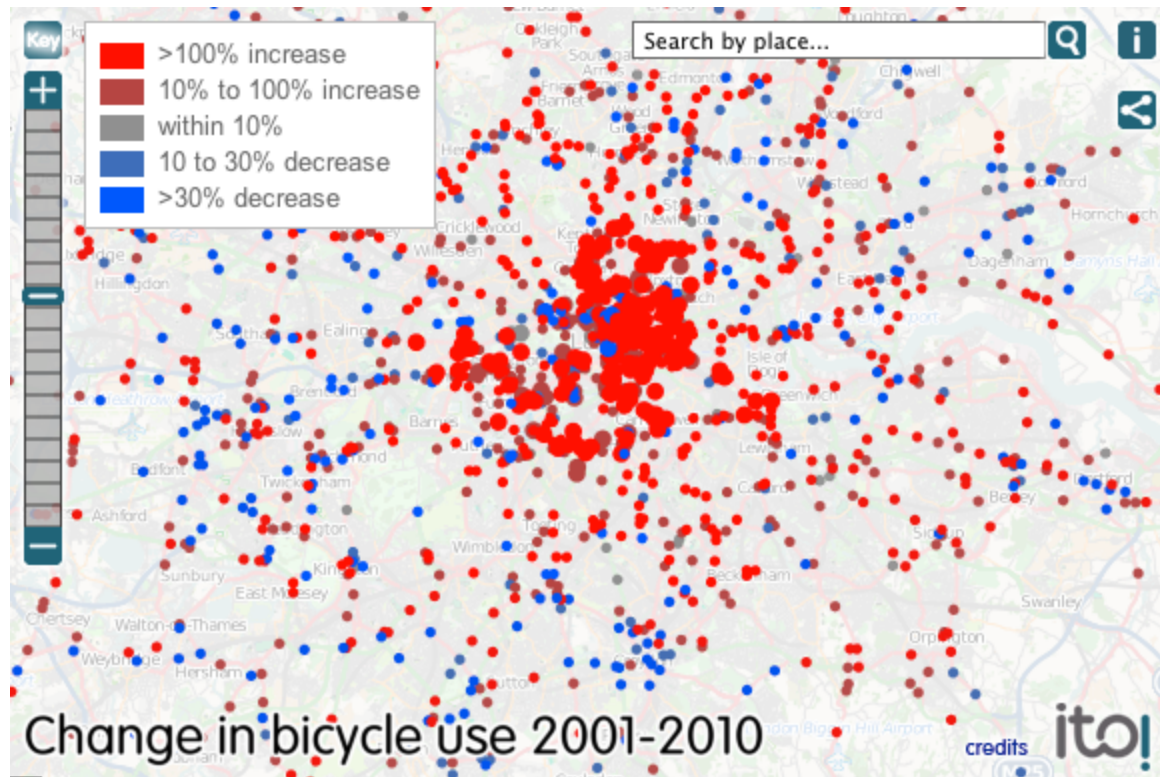
Visual Project

The data have references both to time and geography. Our aim is to provide statistics about the loss in civilians and forces depending on the time period and the space. In particular, we think it may be interesting to show to the observer a timeline with a summary of the loss statistics, like for example the chart presented in the following picture:

Specific attributes will be rendered as area chart to highlight the relative composition of each attribute per time instant.

Moreover, from the spatial point of view we want to provide a geographical summary of losses of different categories of forces and civilians. For example, the map may show clusters of locations by circle, with size proportional to the amount of actions. Colors may encode the composition of losses in each cluster. A possible result may be those showed in figure:

Organization of work

The project will produce an interactive visualization to show the dependencies of the temporal dimension over the geographic one (and viceversa).

Rinzivillo will take care of the geolocation of events and their drawing on a map.

Tesconi will take care of the temporal browsing and the harmonization of the two contributions.