Term Project Proposal

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My topic focuses on biodiversity changes in Taipei, based on the factor variable, threatened area(面積) changes. The topic is composed of two basic questions, one is "Does the trend of threatened eco zone changes in TPC related to the biodiversity of the area?", the other one is "How does TEAC pressure on the bio-di trend across different species?". The answer to the first question might be NO, yet, I think the course emphasizes the visualization part, hence the project can proceed under the false assumption, the two factors graph still can be presented. Moving on to the second question, it is a "how" question, depending on this point, the conclusion will be revealed after visualization, we'll have something to discuss then.

As for the data, there are two sets of tables derived from DATA.GOV.TW(政府資料開放平台). Data 1 contains time series statistics of threatened ecological regions in Taipei City(臺北市受威脅生態區域時間數列統計資料) which describing the illegally destroyed area (unit: acre) of the total eco area. Data 2 includes spatial and date-time information, also the count of different species, the level of detail I will handle is limited to species types(物種類別), one unique coordinate offers only one species type's(魚類 etc.) count, and the types will be showed in different colors.

Finally, the final result will render one web page with two or three sheets, demonstrating factors' relationship plots, thematic map, spatial variation through time animation. Above all are my thoughts about the project so far.