

# Course Introduction and the Marriage: Planners and Data

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## Part A: Course Intro

- General motivation: Spatial analysis, distributed/shared data, Planning project involving GIS (more motivation later)
- Description, Syllabus, logistics
- Software (Oracle, ArcView, MS-Access),

## Part B: [The Marriage: Planners & Data](#)\*

## Part C: Introduction to Lab Exercise #1

- GIS - ArcView map of Mass Towns
- Database Management - MS-Access to query simple parcel and tax tables
- Complexities when you 'roll your own' and/or share data online
  - Computing population density for Massachusetts towns
  - Using someone else's administrative data
  - Handling complex queries: which properties flipped quickly within a year of foreclosure
  - Accumulating reusable knowledge
- Where we're headed: Geospatial web services and distributed access to shared databases
- Lab #1: Intro to Computing Environment, SQL, and ArcView
  - Accessing Oracle database engine using SQL\*Plus
  - Review of ArcView

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\* Kindly refer to Lecture Notes section