



Urban Lab Sydney

Understanding urban processes through data mining, analytics and visualization.

We live in a digital age where we now collect massive amounts of data about the social, spatial, economic, and demographic aspect of our cities and suburbs. However, a lot of the data is inaccessible, difficult to interpret, or spread across several agencies and spatial scales. Further, innovative experiments in the UK and the USA have shown the big potential offered by big urban data. In response Urban Lab Sydney is seeking to address this gap for Sydney by working with Councils to enable big data driven predictive analytics for cities.

Our first focus is housing in Sydney. We aim to first collate data from several agencies, at various spatial scales, and then make the data, its analysis, and visualization more accessible through the creation of an online portal. We will provide not only innovative analytics and visualization mechanisms on this portal, but also critical commentaries and reflections as White Papers and scholarly publications, with a view to engaging policy makers, planners, and the general public on the state of housing in Sydney.

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1. Scatterplot of Property Attributes.
2. Property Dwelling Number vs time of lodgement to approval to completion.