E6841: Designing Sustainable Transit
Stanford Splash Fall 2018

Instructor: Alexander Li
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Room: 160-315
Times: 10:00 AM (S or U)

Course Description: Ever wonder why Transit Agencies put bus routes where they do? Or why BART doesn’t connect with Silicon Valley? This class gives a brief introduction into how we put mass transit on the map, how it doesn’t function, and how to make it better.

Course Discussion Topics:
→ Success and Failure of Transit: What does transit do? What should it do?
  o Discussion: problems, benefits, and solutions
→ Transit’s Limiting Factors: Geometry and Budgets
  o Case Study: San Francisco and BART
→ Transit’s Details: How do planners adapt to changing needs? How can they make service better?
  o See Human Transit for comprehensive guide (we won’t be able to cover all of it in this class)
→ Final Project: Designing your Own System (location tbd, email me above for any suggestions)

Further Reading (if you’re interested):
Human Transit: How Clearer Thinking About Public Transit Can Enrich Our Communities and Our Lives by Jarrett Walker
BART: The Dramatic History of the Bay Area Rapid Transit System by Michael C. Healy