

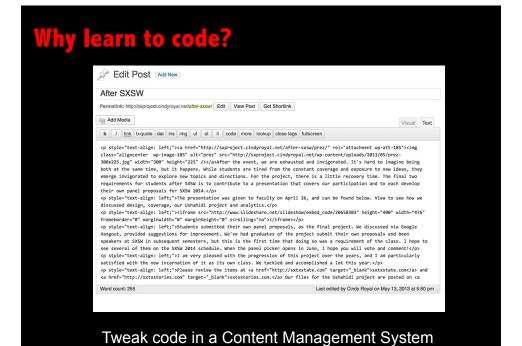


"Learning these skills isn't just important for your future, it's important for our country's future." Barack Obama

"Everyone should learn a computer language because it teaches you how to think."

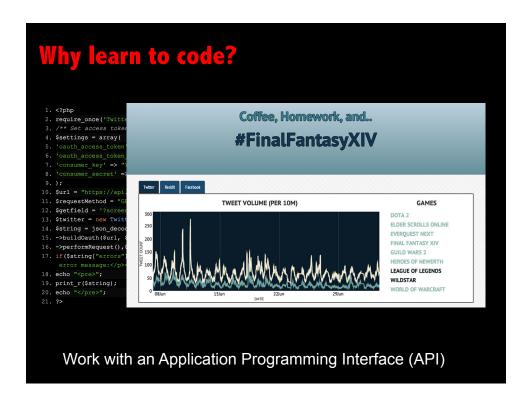
Steve Jobs

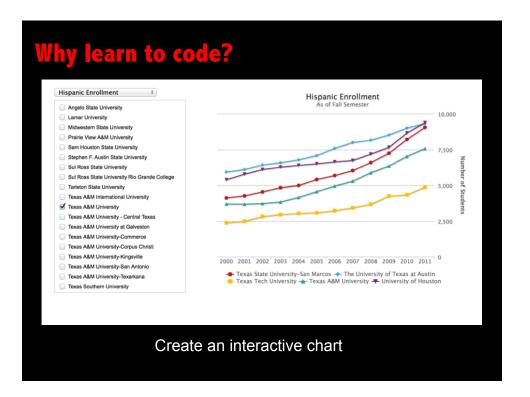


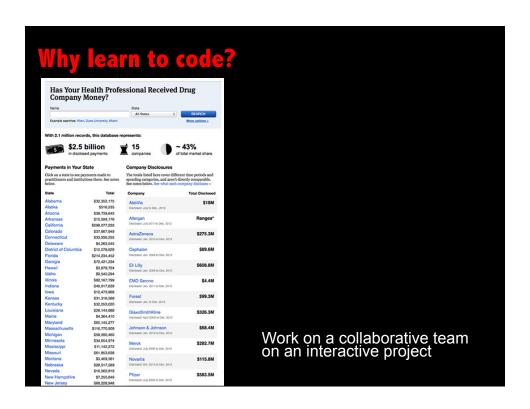


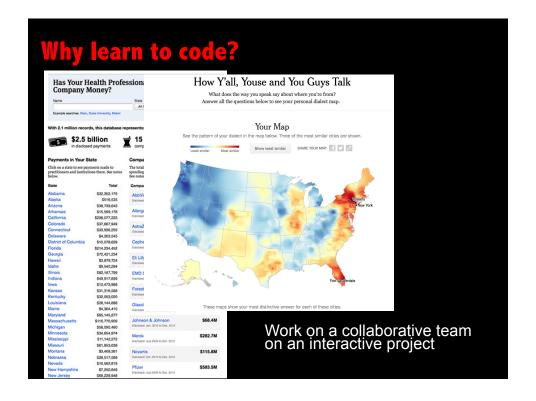


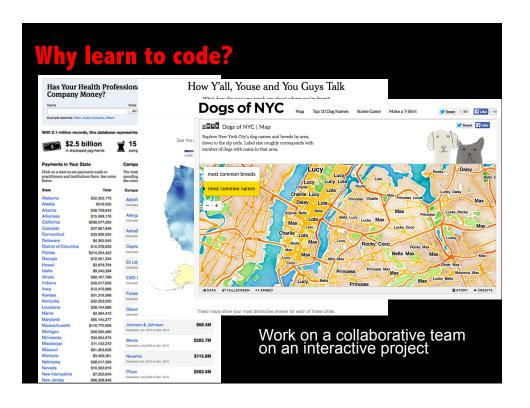
"I. <?php 2. require_once('TwitterAFIExchange.php'); 2. /** Set access tokens here - see: https://dev.twitter.com/apps/ **/ 4. Sectlings = array(5. 'coatth_access_token' -> "YOUR_OAUTH_ACCESS_TOKEN", 6. 'coatth_access_token_secret' -> "YOUR_OAUTH_ACCESS_TOKEN", 7. 'consumer_keyt' -> "YOUR_CONSUMER_KEY", 8. 'consumer_keyt' -> "YOUR_CONSUMER_KEY", 9.); 10. Surl = "https://api.twitter.com/i.l/statuses/user_timeline.json"; 11. SrequestMethod = "GET"; 12. Sgetfield = 'Jacreen_name-lagdotmescount-20'; 13. Stwitter - new TwitterAFIExchange(Sectings); 14. Setzing = json_decode(Stwitter->setGetfield(Sgetfield) 15. ->buildounth(surl, *SequestMethod) 16. ->performRequest(),\$assoc = TRUE); 17. if (Satzing ['rerors'][O]['message'] != "") (echo "<A3>Sorry, there was a problem.</hd> //da> */Bacced API) Work with an Application Programming Interface (API) Work with an Application Programming Interface (API)











code{actually}

- HTML/CSS
- JavaScript
- Charting Exercise
- Charting Tools
 - Chart.js
 - HighCharts
 - D3
- Spreadsheets
- Web Scraping
- PHP/MySQL
- News Apps with Web Frameworks
- Website, tutorials, video, code repository

Our concept of a journalist is changing



Our concept of a journalist is changing



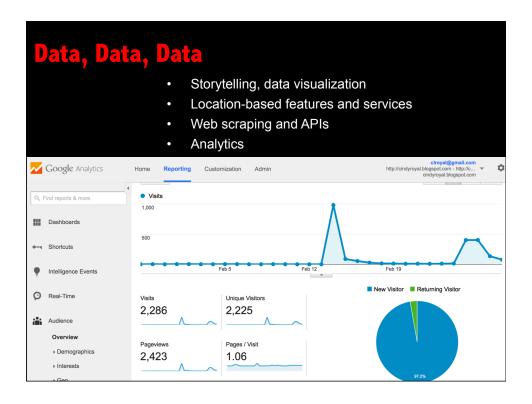






· This is what we do as communication educators and scholars





Innovation Digital changes scale, scope, economics, participation research Introduces new competition define ideate Interactive presentation of DESIGN THINKING learn data as a story Seek inspiration outside prototype implement immediate purview choose Collaborate and share Apply Design Thinking/Make Things

Innovation

- Wearables
- Virtual reality
- Drones/sensors
- · Second-screen engagement
- Pay attention, encourage colleagues to as well
- Sharing economy
- Focus on the future



21st Century Careers

- Advanced technology/social/community roles in media companies
- Media roles in technology companies like Twitter, Facebook or Google, but also local tech-focused companies
- Start-ups



ONA Grant TexasMusicViz

- Grant to tell stories about music with data
- Traditionally, music journalism has been band profiles or cd/concert reviews.
- What new stories can we tell?
- What are the data resources?
- How can we engage the public?

TexasMusic**Viz**

acoustic americana arts band beat bluegrass blues country cover dance electronic folk task gospel hip hop jazz latin was metal mexican org performing polka pop summer punk rap reggae regional rock rockabilly was soul spanish swing tejano tribute was westernworld by the summer summe

Data Visualization and Apps