



BRITISH COLUMBIA CHAPTER

Big Data, Big GIS, Big Deal !?!

May 23, 2013

A Big Day



Big Evaluation

Win a \$50 Gift Card



The Big Picture

- The Role of URISA BC
 - Non- Profit
 - Volunteer run
 - Servicing the Local Geospatial Community
- Winner of the 2013 Bursary:
Brett Zuehlke

Big Thanks

- To the Sponsors
- To the Presenters
- To the URISA BC Team
- To the Attendees
- And...

Steve Scheepmaker

- [The New Website](#)
- [The Old Website](#)

Jonathan Mark



About the Big Day

- 7 incredible speakers with a coffee and lunch break.
- Goals:
 - Enjoy and learn from the talks
 - Network with your peers
 - Consider what Big Data means for you and your organization
 - Have Fun!!!

Big Data, Big GIS, Big Deal

Big data is a collection of data sets so large and complex that it becomes difficult to process using on-hand database management tools or traditional data processing applications.

Source: Wikipedia - http://en.wikipedia.org/wiki/Big_data

1,350,000,000

Google results for "What is big data?"

(Yes, that's billions)

120+

Twitter accounts for big data



Infographics about big data

50+



2 million



PDFs to read from search results for "big data white paper"



70,000

Wikipedia "big data" hits a month



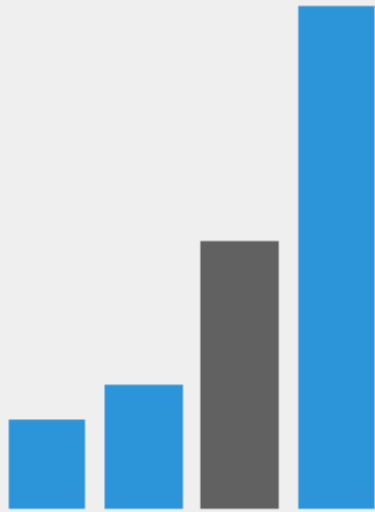
2010:0

2012:9,000

Job search results for data scientists



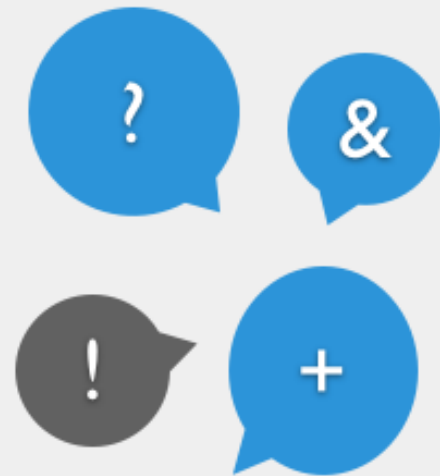
The 3 Big “V”s



Volume



Velocity



Variety

The Big Safeway Analogy



The Big Cat



THE WORLD OF DATA

NUMBER OF EMAILS SENT EVERY SECOND

2.9
MILLION

DATA CONSUMED BY HOUSEHOLDS EACH DAY

375
MEGABYTES

VIDEO UPLOADED TO YOUTUBE EVERY MINUTE

20
HOURS

DATA PER DAY PROCESSED BY GOOGLE

24
PETABYTES

TWEETS PER DAY

50
MILLION

TOTAL MINUTES SPENT ON FACEBOOK EACH MONTH

700
BILLION

DATA SENT AND RECEIVED BY MOBILE INTERNET USERS

1.3
EXABYTES

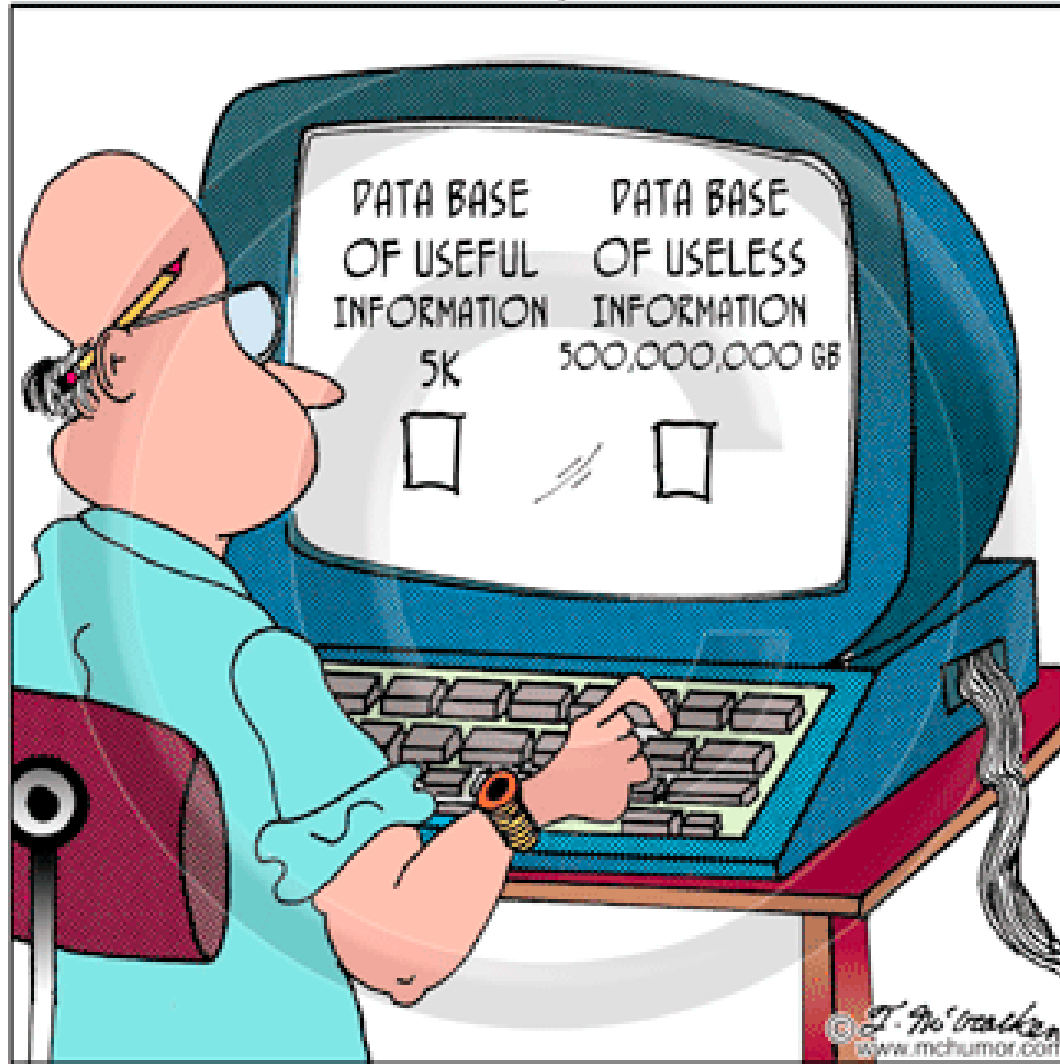
PRODUCTS ORDERED ON AMAZON PER SECOND

72.9
ITEMS



IN THE 21ST CENTURY, we live a large part of our lives online. Almost everything we do is reduced to bits and sent through cables around the world at light speed. But just how much data are we generating? This is a look at just some of the massive amounts of information that human beings create every single day.

SOURCE: Cisco IBSG, NetScout Systems, Statista



Morning Agenda

9:00 - 9:20 a.m.

Welcome to the Seminar – Big Data, Big GIS, ...Big Deal!
Drew Rifkin, President, URISA BC

PRESENTATIONS

9:20 - 9:55 a.m.

GeoShare: Making Big Data Music
Speakers:
Barry Logan & Steve Mark, ICIS

9:55 - 10:30 a.m.

Taming the Point Cloud Tiger for the Township of Langley
Speaker:
Dale Lutz, Vice President of Development, Safe Software Inc.

10:30 - 11:00 a.m.

COFFEE BREAK

11:00 - 11:35 a.m.

Surrey's GIS Projection Model: How to Estimate Development Unit and Population Figures
Speaker:
Stuart Jones, MCIP, RPP, City of Surrey, GIS Services

11:35 a.m. - 12:10 p.m.

Using Origin/Destination Survey Data to Identify Mobility Hubs
Speaker:
Malcolm MacPhail, Transportation Planner, Capital Regional District

Big Pizza



Afternoon Agenda

1:30 - 2:05 p.m.

The Slow Spread of Location Intelligence across the Business Verticals

Speaker:

Greg Mortson, Pitney Bowes Software

2:05 - 2:40 p.m.

BIG Geospatial and the Importance of Intelligent Modeling to Corporate Enterprise

Speaker:

Gord McElravy, Autodesk

2:40 - 3:15 p.m.

Big Data and Location, Location, Location

Speaker:

Jay Terrill, Esri Canada

3:15 - 3:30 p.m.

CLOSING REMARKS & DOOR PRIZES

Me

Audience

Vendors
Food
Vendors
Vendors



Registration

BASE SERVICES

service hall



Have Great BIG Day