Big Data for the smaller business

TFMA 2015

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Golden Orb

What is "Big Data"?

45,000,000,000,000,000

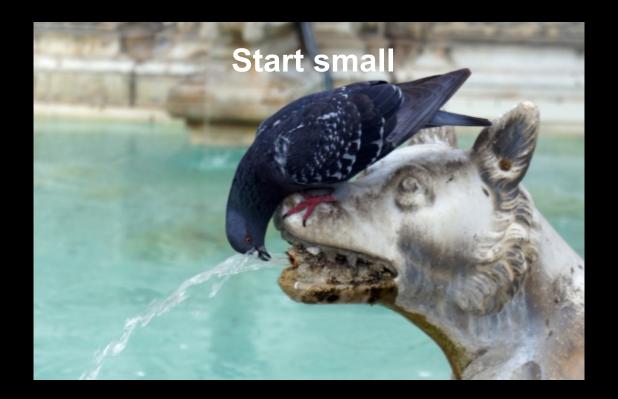
bytes of consumer internet traffic per month
 80% of data created in the past 12 months

What is the relevance of Big Data to smaller businesses?

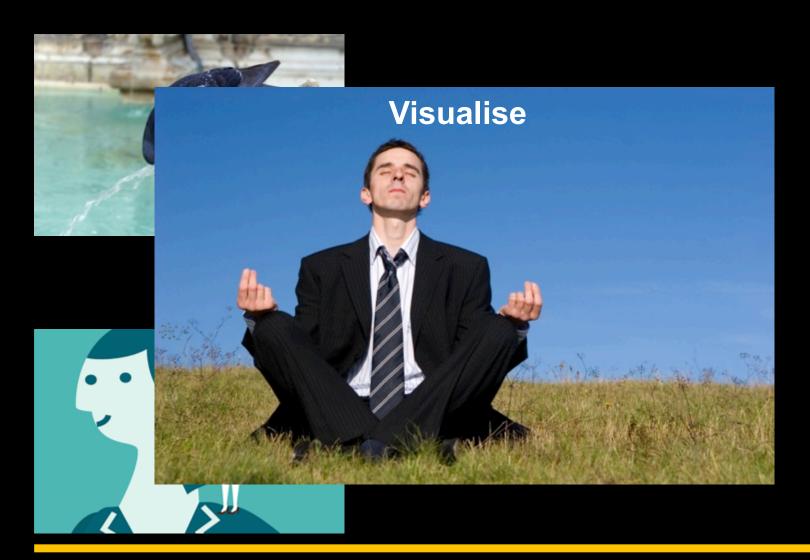
- New analytical capabilities
 - Much is open source
- New sources of data
 - Many free to use
- Real-time data/analysis
 - Adaptive websites
- Reduced cost of entry
 - Low-cost, cloud-based tools

Big Data - why bother?

- Because it's there!
 - Better insight
 - Better customer service
 - Improved profitability
 - New revenue streams
 - Competitive action











Tools and resources to get started with Big Data

- Platform
 - –Google Cloud Platform
 - –Amazon Web Services
- Language
 - -Python, R
 - –Google Apps Script
- Visualisation
 - -Python/R built-in visualisation
 - –Google Fusion Tables/Google Sheets
 - -Tableau

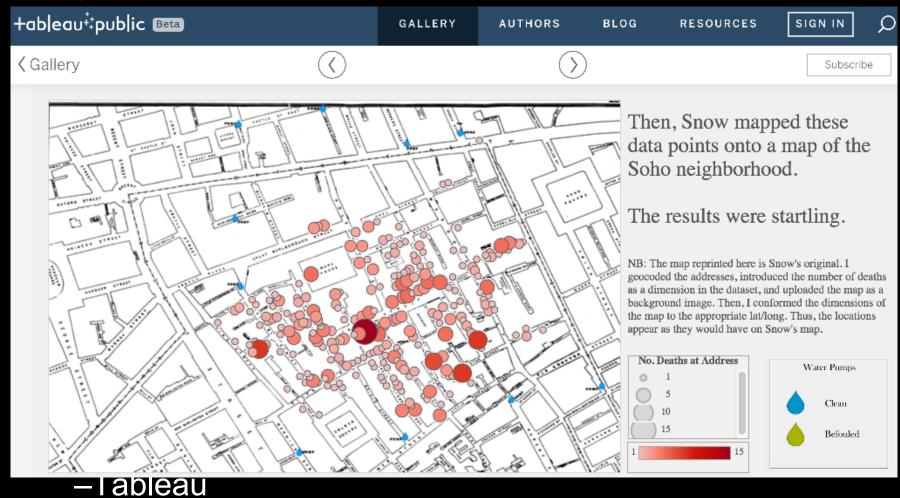
Tools and resources to get started with Big Data

Platform

```
import tweepy
auth=tweepy.OAuthHandler(consumer_key="xxxxx", consumer_secret="yyyyy")
api=tweepy.API(auth)
results=[]
for tweet in tweepy.Cursor(api.search, q="#tfma2015").items(500):
    results.append(tweet.text)
```

- –Python/R built-in visualisation
- –Google Fusion Tables/Google Sheets
- -Tableau

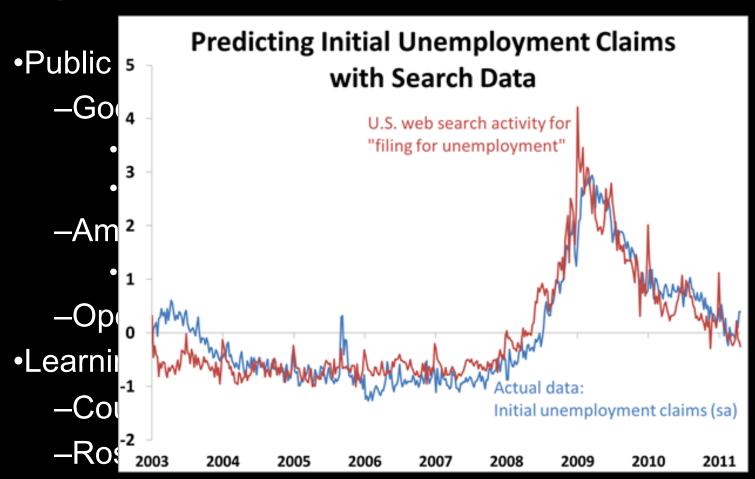
Tools and resources to get started with Big Data



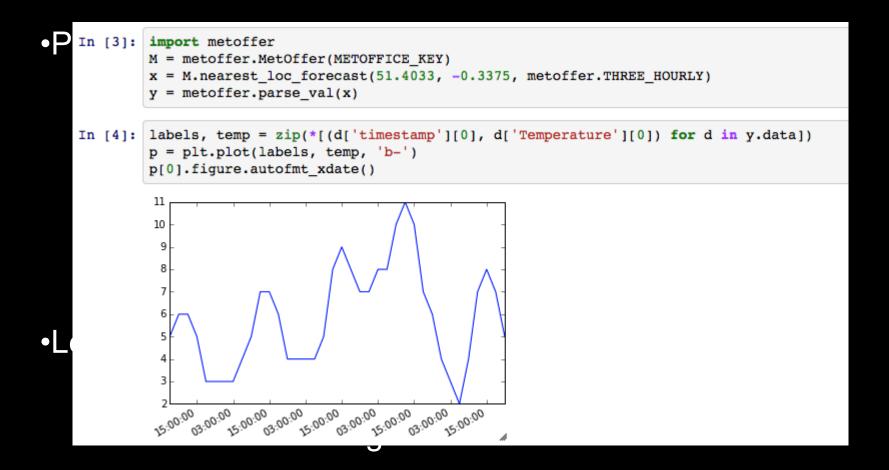
Tools and resources to get started with Big Data

- Public tools and data sources
 - -Google
 - Correlate, BigQuery, Custom Search, Prediction
 - Public data explorer, shared fusion tables
 - -Amazon
 - Elastic Map Reduce / Hive
 - –Open Government Licence
- Learning resources
 - -Coursera
 - –Roshan data mining videos

Tools and resources to get started with Big Data



Tools and resources to get started with Big Data



Thank You

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