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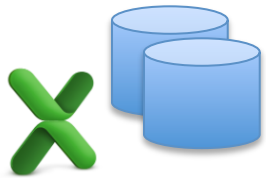inviso

| | A1 | | | fx | Identifier | |

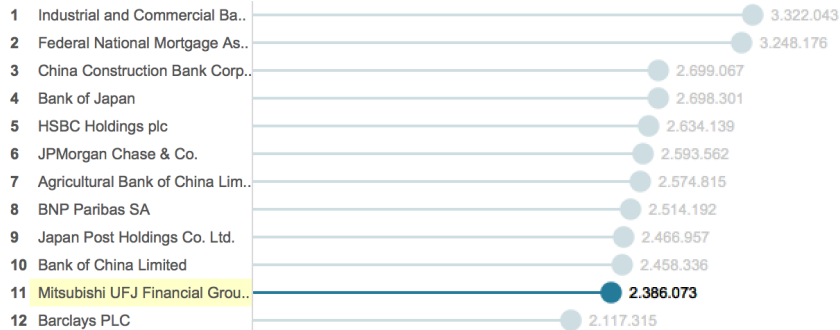|	AB	AC	AD	AE
1	**Primary SIC Industry**	**Primary SIC Industry Group**	**Primary SIC Major Group**	**Secondary NAICS Sector**
2	Deep Sea Foreign Transportation of Freight	Deep Sea Foreign Transportation of Freight	Water Transportation	Transportation and Warehousing; Mining, Quarry
3	National Commercial Banks	Commercial Banks	Depository Institutions	Finance and Insurance
4	Pharmaceutical Preparations	Drugs	Chemicals & Allied Products	Wholesale Trade
5	Building Cleaning and Maintenance Services, NEC	Services To Dwellings and Other Buildings	Business Services	Administrative and Support and Waste Managem
6	Malt Beverages	Beverages	Food and Kindred Products	Wholesale Trade; Manufacturing; Manufacturing
7	Steam, Gas, and Hydraulic Turbines, and Turbine (	Engines and Turbines	Industrial and Commercial Machinery and Comput	-

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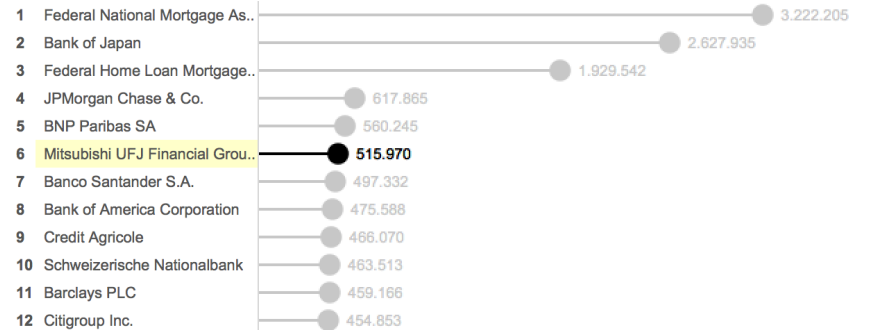**Pick a country**
(Multiple values)

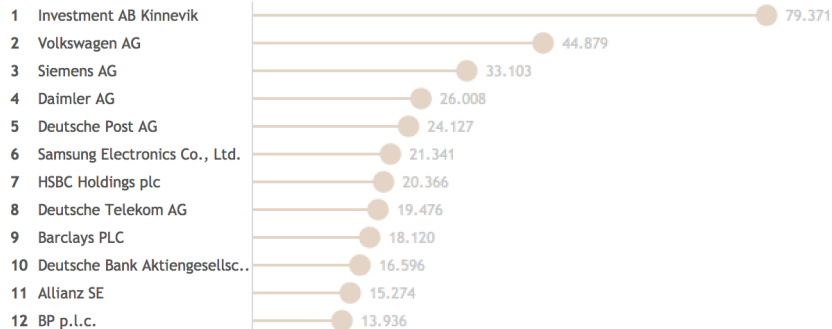**Pick a Primary Sector**
(All)

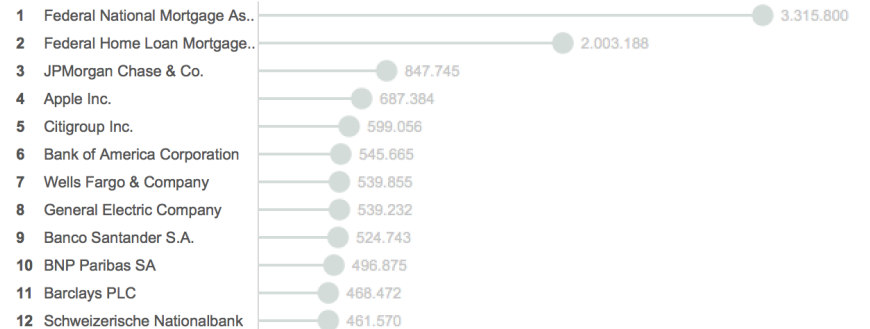**Set top N companies**
12

Avg. Total assets (Mio.)

1	Industrial and Commercial Ba..	3.322.043
2	Federal National Mortgage As..	3.248.176
3	China Construction Bank Corp..	2.699.067
4	Bank of Japan	2.698.301
5	HSBC Holdings plc	2.634.139
6	JPMorgan Chase & Co.	2.593.562
7	Agricultural Bank of China Lim..	2.574.815
8	BNP Paribas SA	2.514.192
9	Japan Post Holdings Co. Ltd.	2.466.957
10	Bank of China Limited	2.458.336
11	Mitsubishi UFJ Financial Grou..	2.386.073
12	Barclays PLC	2.117.315

Avg. Total debt (Mio.)

1	Federal National Mortgage As..	3.222.205
2	Bank of Japan	2.627.935
3	Federal Home Loan Mortgage..	1.929.542
4	JPMorgan Chase & Co.	617.865
5	BNP Paribas SA	560.245
6	Mitsubishi UFJ Financial Grou..	515.970
7	Banco Santander S.A.	497.332
8	Bank of America Corporation	475.588
9	Credit Agricole	466.070
10	Schweizerische Nationalbank	463.513
11	Barclays PLC	459.166
12	Citigroup Inc.	454.853

Avg. Cost of Employees (Mio.)

1	Investment AB Kinnevik	79.371
2	Volkswagen AG	44.879
3	Siemens AG	33.103
4	Daimler AG	26.008
5	Deutsche Post AG	24.127
6	Samsung Electronics Co., Ltd.	21.341
7	HSBC Holdings plc	20.366
8	Deutsche Telekom AG	19.476
9	Barclays PLC	18.120
10	Deutsche Bank Aktiengesellsc..	16.596
11	Allianz SE	15.274
12	BP p.l.c.	13.936

Avg. Enterprise Value (Mio.)

1	Federal National Mortgage As..	3.315.800
2	Federal Home Loan Mortgage..	2.003.188
3	JPMorgan Chase & Co.	847.745
4	Apple Inc.	687.384
5	Citigroup Inc.	599.056
6	Bank of America Corporation	545.665
7	Wells Fargo & Company	539.855
8	General Electric Company	539.232
9	Banco Santander S.A.	524.743
10	BNP Paribas SA	496.875
11	Barclays PLC	468.472
12	Schweizerische Nationalbank	461.570

1
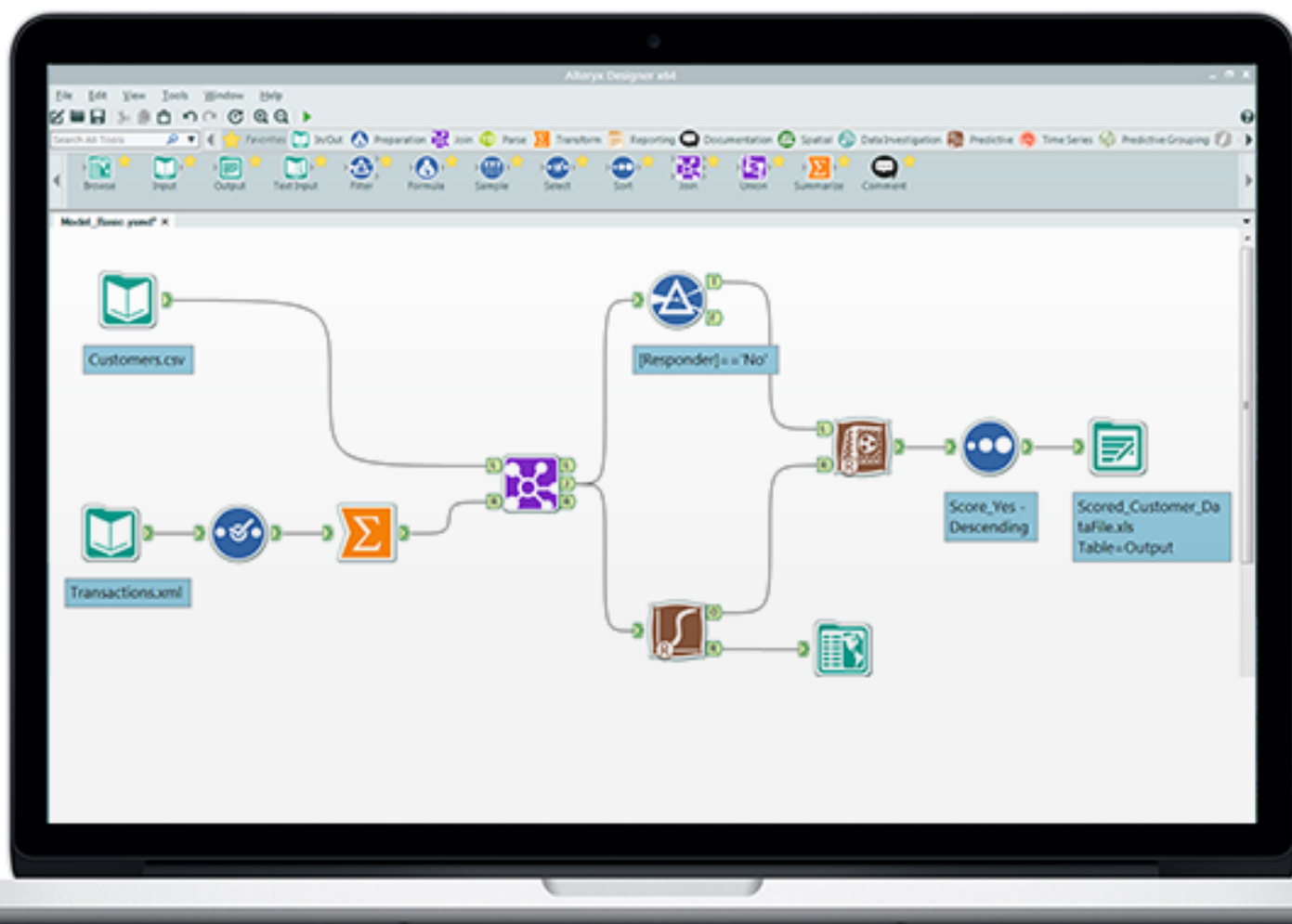
Agenda

- Setup – Lets get everybody up and running!

- Fundamental data preparation
  - Connecting, Formatting, Sorting, Filtering ect.

- Blending data
  - Joining, Unioning ..

- Web-scraping
  - Lets get our hands on 385.000 Airbnb listings

- Predictive analytics
  - Predicting which passengers would survive the Titanic (and why!)

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Getting up and running

PC people vs Mac People (vs. Linux?)

Show of hands!

Mac People = Remote Desktop

Questions before takeoff?

Download data here:

http://

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