## Note on stock market data

## Step 1: get data on Yahoo ! Finance

To get the stock market data, I use <u>Yahoo ! Finance</u> website.

To get stock prices for Carnival (CCL), I've just type the name of the company in the search bar.

🔒 Home	Mail	Flickr	Tumblr	News	Sports	Finance	Celebrity	Answers	Groups	Mobile	More 🗸	6	Try Yahoo Finance on Firefox »
	YAHO FINANO		Searc	h for new	s, symbols	or compani	es			Search		Sign	in 🐥 🔛
Finance	Home	NEW Orig	inals E	vents	Personal Fi	nance T	echnology	Markets	Industries	My Scre	eners My Portfolio		
S&P 500 2,409.75 -22.79 (-0.	4	~~~~	Dow 30 21,320.0 -158.13 (-	04 🧼	~~~~	Nasdaq 6,089.46 -61.39 (-1.00	%)	Crud 43.42 -0.09		1)	Gold 1,224.70 +3.00 (+0.25%)	~ < <b>&gt;</b>	(*) US Markets are closed
PODCAST         China vs the World: Smartphone giants face a low-cost threat         YAHOO/FINANCE         YAHOO/FINANCE <t< td=""></t<>													
		poration ed Price. Cu		D 🗘	Add to watch	nlist						Quote Lookup	<u>्</u>
	July 6 4:00	1.06 (- PM EDT		After h	ours: Jul 6, 5		,	olders His	torical Data	Analysts			People also watch RCL DRI CBS MAR CAH
Previous Open	Close		6.54 Ma 5.68 Be	irket Cap ta		47.432B 0.92	1D 5D 1N		1Y 5Y Click here to s	Max data	<b>⊮</b> <sup>7</sup> Full screen 66.80 ★ 66.54	Ando	<b>rre</b> C'est vraiment une autre histoire

Click on the tab « Historical data » to select the data.

You may choose the start and end dates of the selection and the data frequency as shown below.

Time Per	iod: Jul 0	7, 201	6 - Jul 0	07, 2017	~	Show: Historical F	Prices 🗸	Frequency: Daily ~	Apply
Currency i	1D YTD	5D 1Y	3M 5Y	6M MAX					🛃 Download Data
Date					High	Low	Close	Adj Close*	Volume
Jul 06, 20	Start Date 7/7/2016		End Date 7/7/2017		6.03	65.22	65.48	65.48	2,946,613
Jul 03, 20					6.34	65.24	65.25	65.25	1,773,400
Jun 30, 2	Done	e	(	Cancel	5.99	65.45	65.57	65.57	2,599,300
Jun 29. 20	17	7			66.10	65.00	65.15	65.15	2.765.400

Click on the button « Download data ».

The file downloaded is a CSV file (*comma separated value*). Each observation is in the first column of the file (column A).

## Step 2: use the data with a spreadsheet

Open the CSV file with a spreadsheet like Excel.

Convert the data: in the ribbon, go to « Data » then « Convert » and indicate the type of separator (comma, semi-column, etc.).

Save with the "xls" format. Each observation is now in different columns of the file (column A, B, C, etc.) and the data can be easily manipulated to do computations (to calculate returns from prices for example) and to get figures for the evolution of stock market prices.