Reading in Data into Microsoft Excel for data analysis:

Introduction:

During your course work you might encounter on several occasions the need to run a code and view its data output using some data analysis software, this tutorial will help you to conduct

Step 1:

The set of data to read into excel:

If you have your own set of data then you can use your data straight away by taking the same set of steps as the tutorial.

Copy the following set of data and paste it into a notepad file. Call the file a name that you can remember once the file is saved it should have the extension *.txt.

5.3766714e-01
1.8338850e+00
-2.2588469e+00
8.6217332e-01
3.1876524e-01
-1.3076883e+00
-4.3359202e-01
3.4262447e-01
3.5783969e+00
2.7694370e+00
-1.3498869e+00
3.0349235e+00
7.2540422e-01
-6.3054873e-02
7.1474290e-01
-2.0496606e-01
-1.2414435e-01
1.4896976e+00
1.4090345e+00
1.4171924e+00
6.7149713e-01
-1.2074869e+00
7.1723865e-01
1.6302353e+00
4.8889377e-01
1.0346930e+00
7.2688513e-01
-3.0344092e-01
2.9387147e-01
-7.8728280e-01
8.8839563e-01
-1.1470701e+00
-1.0688705e+00
-8.0949869e-01
-2.9442842e+00
1.4383803e+00
3.2519054e-01
-7.5492832e-01
1.3702985e+00
-1.7115164e+00
-1.0224245e-01

-2.4144704e-01
3 19206740-01
5.15200/10 01
3.1285860e-01
-8 64879920-01
0.010/9920 01
-3.0051296e-02
-1 64879020-01
1.010/9020 01
6.2//0/29e-01
1.0932657e+00
1 1000702-100
1.1092/330+00
-8.6365282e-01
7 73590910-02
1.13390910 02
-1.2141170e+00
-1.1135007e+00
£ 0400001 00
-6.8493281e-03
1.5326303e+00
-7 69665910-01
-7.09003916-01
3.7137881e-01
-2.2558440e-01
1 1172561-00
T.TT/320T6+00
-1.0890643e+00
3 25574640-02
5.5252702e-01
1.1006102e+00
1 E440110 - 100
1.54421190+00
8.5931133e-02
-1 49159030+00
1.49139030100
-7.4230184e-01
-1.0615817e+00
2 2 5 0 4 5 7 2 5 1 0 0
2.35045/2e+00
-6.1560188e-01
7 48076780-01
1.40070706 01
-1.9241851e-01
8.8861043e-01
7 (101021= 01
-7.04049240-01
-1.4022690e+00
-1 42237590+00
1.0010000.00
4.88193910-01
-1.7737516e-01
-1 96053490-01
1.00000400
1.4193102e+00
2.9158437e-01
1 97811050-01
1.97011030 01
1.5876991e+00
-8.0446596e-01
6 0662442- 01
0.90024420-01
8.3508817e-01
-2 43715140-01
2.156/009e-01
-1.1658439e+00
-1 1/705200+00
1.14/90200+00
1.0487472e-01
7.22254030-01
2 = 0 = 4 0 1 2 = + 0 0
∠.3834913e+00
-6.6689067e-01
1 87331020-01
1.0733102e 01
-8.2494425e-02
-1.9330229e+00
-4 38966150-01

-1.7946788e+00

2:

Step 2:

This is the note pad file, I have called it input.txt.

📄 input - Notepad	
File Edit Format View Help	
5.3766714e-01	
1.8338850e+00	
-2.2588469e+00	
8.6217332e-01	
3.1876524e-01	
-1.30/6883e+00	
-4.33392020-01	
3 5783969e+00	
2 76943700+00	
-1.3498869e+00	
3.0349235e+00	
7.2540422e-01	- -
-6.3054873e-02	
7.1474290e-01	
-2.0496606e-01	
-1.2414435e-01	
1.4896976e+00	
1.4090345e+00	
1.41/1924e+00	
0./149/130-01	
7 17228650 01	L
1 63023530+00	
4.8889377e-01	
1.0346930e+00	
7.2688513e-01	
-3.0344092e-01	
2.9387147e-01	
-7.8728280e-01	
8.8839563e-01	
-1.14/0/01e+00	
-1.0688/050+00	
-8.09498090-01	
1 43838030+00	
3.2519054e-01	
-7.5492832e-01	
1.3702985e+00	
-1.7115164e+00	
-1.0224245e-01	
-2.4144704e-01	
3.1920674e-01	
3.1285860e-01	
-8.6487992e-01	
-3.00512966-02	
-1.048/9020-01	
4	•

3:

Step 3:

Launch excel, go to file and chose open. Double click on the input.txt file.

X 2 9 -	(** IF.	-												inp	ut - Microso	ft Excel	-		_	-				_					- 6 ×
File H	ione Ins	iert Pag	e Layout	Formulas	Data I	Review	View	Add-Ins																					• 🕜 🗆 🗗 ×
A Cu	at.	Calibri	,	11 · A	A' = =			Nrap Text	Scien	ntific				No	ormal	Bad		Good	N	eutral	Calcul	ation	3	*	Σ	AutoSum * A	7 43		
Paste Co	spy *	B /	u - 18	- 0- 1	. = =	-	. (F. 133	Merge & Cent	ter - 200 -	- %, ,	12 -3	Conditiona	I Forma	4 (87	ieck Cell	Expla	natory	Input	U	nked Cell	Note		Insert	Delete f	ormat	Fill * So	rt & Find &		
Clipboa	rd 15		Fort		6	,	lignment		-	Number	6	Formatting	 as Table 					Styles						Cells	· 4	Editing	er * Select *		
A1	2	• (*	f.																										
A In	8	С	D	E	F	G	н	1	1	K	L	N	1	Ν	0	P	Q	R	s	т	U	V	W	Х	Y	Z	AA	AB	AC A
1																													
3	-			(Z) Ope	n					-						-	x												
4				a	-	omnuter	 KINGST 	ON (F) b m	cell tutorial				- +-	Second		1	0												
5												_			()**	-	-												
7				Orga	inize • N	lew folder			~						0== •														
8	-			2	Kecent Place	5. C	Name				Date m	odified	Туре		Siz	e													
9				1 10	Libraries		input 📄				03/10/2	011 16:21	Text	Docum	ent	2. KB	- 11												
11				6	Documents	100																							
12				-	Music																								
13				1 8	Videos	8											- 11												
15																	- 11												
16					Computer												- 18												
18					DATA (D:)												- 11												
19				-	KINGSTON (F:) -											- 11												
20				-		File nat	me input						- 6	Text File	5		-												
22												Tools	- 6	Oper		Cancel	5												
23																													
24					1	_	-			-	-	_	-	-	-	-													
26																													
27																													
28																													
30																													
31																													
32	-																												
34																													
35																													
36	-																												
38																													
39																													
40																													
к кээн іл	nput 🖉																	1+1	_		1			11					→ []
Ready																												00% (-)	0 +

Step 4:

Chose delimited if you have several columns then use fixed width, chose also (windows ANSI).Press Next.



Step 5:

Just chose General here and press close.

8	S . (2 .	1	_	_											Roo	kl - Microso	ft Excel													- 0 ×	
Elle	Home	Inca		as I mout	Formular	Data	anian 1	See.	Add Jor																					0 - 0	
-	Y and	-		ge cayour	ronnoids	Una			NGG-215						-		_														
	A Cut		Calibri	-	11 · A .	 = = 	= »-	TV	Vrap Text	Genera	il i	-	55		No	irmal	Bad		Good	Ne	utral	Calcula	tion		P 💷	Z AUto	sum * 👔	r 🕰			
Paste	Copy *	Dainter	BI	<u>u</u> - 🖽	- <u>ð</u> - <u>A</u>	· = =	≡ (定)	建 🔤 N	Aerge & Center	- 19-	%,	38 48	Conditional	Format	Ch	eck Cell	Explan	atory	Input	Lir	ked Cell	Note		Insert	Delete Format		Sort	& Find &			
	inhoard	G		Font			Alic	oment			Number		Formatting	as table	_		-	Shu	le c						Cells	CZ CHU	Edition	r* Select*			
	A1		(m	£																											v
			0				0				L.					0	0	0	0	6			м	144	v	M	7		40	40	
1	A	D	C	U	c	r	0	n		1	K	L	M		N	0	٢	ų	R	5		U	v	W	X	T	2	AA	AD	AC	
2	-																														
3																															
4																															
5				_								_	-																		
6				Text Impo	rt Wizard - St	ep 3 of 3					l	<u>ି</u> 💦 🗙																			
7				This scree	n lets you sele:	t each column	and set the	Data Forma	et.																						
8				Column	lata format																										
9				© Gene	eral																										
10				Case Construction of the second																											
12				O Date	: DMY				Advanced	L																					
13				© De not port clum (sig)																											
14																															
15				1																											
16				Cab groles																											
17				Data gre	view																										
18																															
19				5.376	5714e-01							-																			
20				1.	8338850e+00																										=
21					5217332e-01																										
22				3.1	187652 4e -01							~																			
23												,																			
25								Cancel	< Back	Next		Enish																			
26																															
27				_	_	_	_	_	_	_	_	_	_																		
28																															
29																															
30																															
31																															
32																															
33																															
35																															
36																															
37																															
38																															
39																															
40																															
41																															
Read	N Sheet	1 She	et2 / S	heet3 🖉															14								Lee				
Ready	-		-	_	<u> </u>				_				_			-	_				-	-	_				12			16.34	띝
				0	2 L	1 1		2																					* 🔁 🍁	03/10/2011	

Step 6:

Select the whole column from 1 to 100.

X 🖢	5.	(* * I=	_	-												input	 Microsof 	ft Excel													- 0 X
File	-	ione In	nsert F	Page Layout	Formulas	Data	Revie	ew Vie	ew Ad	Id-Ins																					a 🕜 🗆 🗗 X
1	¥ o	ıt	Calibri		- 11 - A*	. =	-		35 w	an Text	Scienti	fir	*			Norm	nal	Rad		Good	Ne	utral	Calculat	tion		3× 1	Σ	AutoSum *	A7 .40		
Barte	Ba 0	ру т			··· A									1225	E or mail	100000	h Cell	Contant	too.	lanut		ked Cell	Note		Incert	Delete Er		Fill *	Zi u u		
v	🛷 Fi	ermat Painte	и В 4	Ū ·	≝ * <mark>9</mark> * •	<u>a</u> · =		1 10 10	C AS Me	rge & Cente		26 9 76	Fo Fo	rmatting * a	as Table *	cnec	k cen	Expland	101y	input		keu celi	Note	Ŧ	*	*	- 4	Clear *	Filter * Select	-	
_	lipbo	rd	G	For	t	- Gr		Align	ment		- Q	Number	- G						Styl	es						Cells		Edit	ng		
	A1		- (°	fж	0.53766714																										*
	A	В	C	D	E	F		G	н	1	J	K	L	M	1	N	0	P	Q	R	S	T	U	V	W	х	Y	Z	AA	AB	AC
61 -1	09E+0	0																													
62	52E-0	12																													
64 1	10E+0	0																													
65 1	54E+0	0																													
66 1	.59E-0	12																													
67 -1	49E+0	0																													
68 -	42E-0	11																													
69 -1	06E+0	0																													
70 2	35E+0	0																													
71 -	16E-0	1																													
72	925-0	1																													
74 4	.89E-0	1																													
75 -	.65E-0	1																													
76 -1	40E+0	0																													
77 -1	42E+0	0																													
78 4	88E-0	1																													
79 -:	77E-0	11																													
80 -	.96E-0	1																													
81 1	42E+0																														
83	985-0	1																													
84 1	59E+0	0																													
85 -1	04E-0	1																													
86	.97E-0	1																													
87 4	35E-0	1																													
88 -:	.44E-0	1																													
89	16E-0	1																													
90 -1	17E+0																														
92	1055-0	ň																													
93	22E-0	1																													=
94	59E+0	0																													
95 -	67E-0	11																													
96	87E-0	1																													
97 -4	25E-0	12																													
98 -1	93E+0	0																													
99 -	.39E-0	1																													
100 -1	/9E+(0																													
14 4 1	н	nout 😤																		14											
Ready																								Avera	ge: 1.23E4	01 Cour	rt: 100 S	um: 1.23E+01		100% 😑 🗌	• •
•	1	0		0	🤮 [W	4	X															~						-	P 10 6	16:36 03/10/2011

5:

Step 8:

Go to scatter and the style of plotting you find suitable for your case.

×	e) • (e	• •	-	-	-	-	-	_	-	-	-	_	-	-	inp	ut - Micros	oft Excel	_	-	-	-	_	-	-	-	-	-	_	-	- 0	×
File	Hom-	e Inse	Clip Sh Art	apes SmartAr	rt Screenshol	Data t Column	Line Pi	e Bar Charts	d-ins	atter Oth Char	ler I ts *	Line Colum	n Win/Los	s Slicer Filter	Nyperlink Links	A Test Box	Header Wo k Footer	rdArt Signat v Line Text	ure Object	π Equation S	Ω Symbol								6	a 🕜 🗆	⊕ >
	A1		. (m	fr 0.53	766714				1																						
1	A	В	C	D	E	F	G	н			N/		L	м	N	0	P	Q	R	S	Т	U	v	W	Х	Y	Z	AA	AB	AC	Ē
61 -1.	09E+00														_																
62 3.	26E-02										3 S	Scatter with S	mooth Lin	es and Mar	kers																
63 5.	53E-01									\sim	1.00	Compare pa	irs of value	H.																	
64 1.	10E+00									1		Use it when	there are a	a few data																	
65 1.	54E+00									125		points in x-i represents a	sxis order a function.	ind the data	•																
00 8	59E-02																														
69 .7	496+00								1	All Cha	art Types	h																			
69 -1	06E+00																														
70 2.	35E+00																														
71 -6.	16E-01																														
72 7.	48E-01																														
73 -1	92E-01																														
74 8.	.89E-01																														
75 -7.	.65E-01																														
70 -1.	40E+00																														
70 4	42E+00																														
79 .1	77E-01																														
80 -1	96E-01																														
81 1.	42E+00																														
82 2	92E-01																														
83 1	.98E-01																														
84 1.	59E+00																														
85 -8	.04E-01																														
86 6.	.97E-01																														
87 8	35E-01																														
89 2	165-01																														
90 -1.	17E+00																														
91 -1.	15E+00																														
92 1	05E-01																														
93 7.	22E-01																														
94 2.	59E+00																														
95 -6	.67E-01																														
96 1	87E-01																														
97 -8	25E-02																														
99 .4	39E-01																														
100 -1	79E+00																														
101	-																														
14 4 3	н inpu	it / 🞾 /																	14						11						•
Ready			_									_						_		-	_	_	Ave	rage: 1.23E-0	11 Count	100 Sum:	1.23E+01		00% 😑 🗌	0	÷
0	C) () 🤱	§ 🛛 🛛		1 🖹																					*	P 🖯 🖢	16:30 03/10/2	011

Step 9:

Finally you should get something like this.



That's the end of this tutorial I hope that was helpful please feel free to contact me regarding any mistakes or recommendations for the tutorial. Ahmed Al Makky

A.al-Makky@warwick.ac.uk http://www2.warwick.ac.uk/fac/sci/eng/pg/students/esrhaw 6.