First, sort your data by the "genetics" column (mutant/wild type) and then by your "stress treatments".

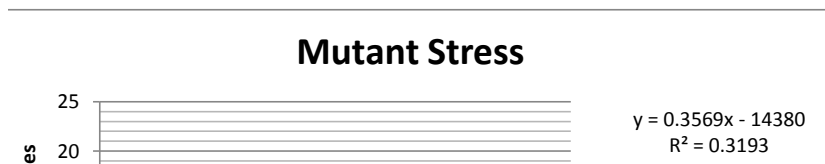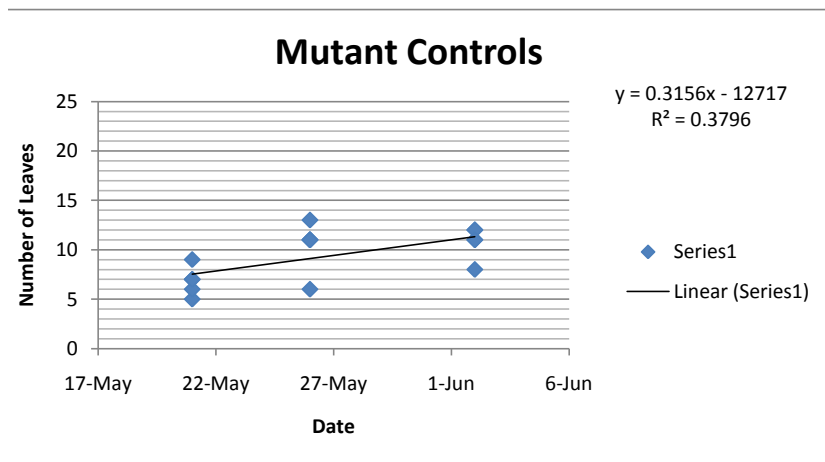| Date	REP	plant type	tmt	stress	alive	# leaves
21-May	1	m	c	w	1	7
21-May	2	m	c	w	1	5
21-May	3	m	c	w	1	9
21-May	4	m	c	w	1	6
21-May	5	m	c	w	1	7
26-May	1	m	c	w	1	11
26-May	2	m	c	w	1	11
26-May	3	m	c	w	1	11
26-May	4	m	c	w	1	13
26-May	5	m	c	w	1	6
2-Jun	1	m	c	w	1	12
2-Jun	2	m	c	w	1	8
2-Jun	3	m	c	w	1	11
2-Jun	4	m	c	w	1	12
2-Jun	5	m	c	w	1	11
21-May	1	m	h	c	1	9
21-May	2	m	h	c	1	7
21-May	3	m	h	c	1	9
21-May	4	m	h	c	1	8
21-May	5	m	h	c	1	5
26-May	1	m	h	c	1	16
26-May	2	m	h	c	1	9
26-May	3	m	h	c	1	12
26-May	4	m	h	c	1	11
26-May	5	m	h	c	1	14
2-Jun	1	m	h	c	1	15
2-Jun	2	m	h	c	1	10
2-Jun	3	m	h	c	1	9
2-Jun	4	m	h	c	1	12
2-Jun	5	m	h	c	1	15
21-May	1	wt	c	w	1	5
21-May	2	wt	c	w	1	8
21-May	3	wt	c	w	1	7
21-May	4	wt	c	w	1	9
21-May	5	wt	c	w	1	8
26-May	1	wt	c	w	1	12
26-May	2	wt	c	w	1	12
26-May	3	wt	c	w	1	13

Next, paste your data here. Get rid of all columns except DATE, Genetics, stress, and the data columm, in this case it is the # of leaves.
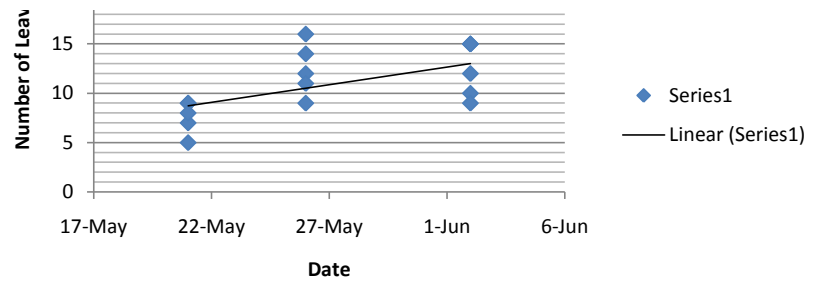
Date	plant type	tmt	# leaves
21-May	m	c	7
21-May	m	c	5
21-May	m	c	9
21-May	m	c	6
21-May	m	c	7
26-May	m	c	11
26-May	m	c	11
26-May	m	c	11
26-May	m	c	13
26-May	m	c	6
2-Jun	m	c	12
2-Jun	m	c	8
2-Jun	m	c	11
2-Jun	m	c	12
2-Jun	m	c	11
21-May	m	h	9
21-May	m	h	7
21-May	m	h	9
21-May	m	h	8
21-May	m	h	5
26-May	m	h	16
26-May	m	h	9
26-May	m	h	12
26-May	m	h	11
26-May	m	h	14
2-Jun	m	h	15
2-Jun	m	h	10
2-Jun	m	h	9
2-Jun	m	h	12
2-Jun	m	h	15
21-May	wt	c	5
21-May	wt	c	8
21-May	wt	c	7
21-May	wt	c	9
21-May	wt	c	8
26-May	wt	c	12
26-May	wt	c	12
26-May	wt	c	13

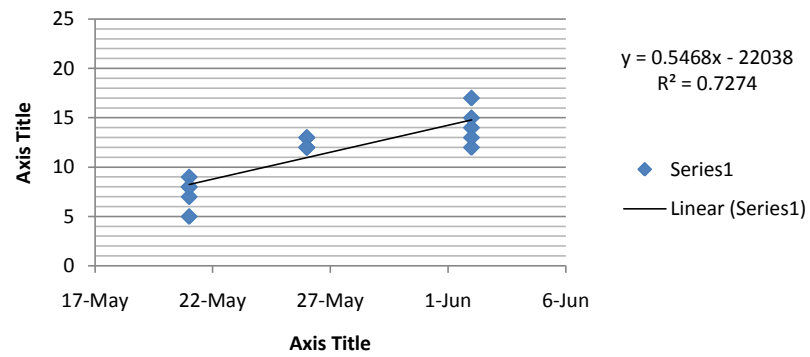| Date	Rep	Genotype	Treatment A	Treatment B	Count	Value		Date	Genotype	Treatment	Value
26-May	4	wt	c	w	1	13		26-May	wt	c	13
26-May	5	wt	c	w	1	12		26-May	wt	c	12
2-Jun	1	wt	c	w	1	12		2-Jun	wt	c	12
2-Jun	2	wt	c	w	1	15		2-Jun	wt	c	15
2-Jun	3	wt	c	w	1	17		2-Jun	wt	c	17
2-Jun	4	wt	c	w	1	14		2-Jun	wt	c	14
2-Jun	5	wt	c	w	1	13		2-Jun	wt	c	13
21-May	1	wt	h	c	1	9		21-May	wt	h	9
21-May	2	wt	h	c	1	7		21-May	wt	h	7
21-May	3	wt	h	c	1	9		21-May	wt	h	9
21-May	4	wt	h	c	1	4		21-May	wt	h	4
26-May	1	wt	h	c	1	15		26-May	wt	h	15
26-May	2	wt	h	c	1	14		26-May	wt	h	14
26-May	3	wt	h	c	1	16		26-May	wt	h	16
26-May	4	wt	h	c	1	12		26-May	wt	h	12
2-Jun	1	wt	h	c	1	16		2-Jun	wt	h	16
2-Jun	2	wt	h	c	1	18		2-Jun	wt	h	18
2-Jun	3	wt	h	c	1	20		2-Jun	wt	h	20
2-Jun	4	wt	h	c	1	16		2-Jun	wt	h	16

Thirdly, you will want to group the X (date) and Y (variable) into pairs. You should end up with one pair for the following: Mutant Controls, Mutant Stressed, Wild Type Control, Wild Type Stressed.

	Mut-Cntrl		Mut-Strs		WT-Ctrl		WT-Stress
Date	# leaves	Date	# leaves	Date	# leaves	Date	# leaves
21-May	7	21-May	9	21-May	5	21-May	9
21-May	5	21-May	7	21-May	8	21-May	7
21-May	9	21-May	9	21-May	7	21-May	9
21-May	6	21-May	8	21-May	9	21-May	4
21-May	7	21-May	5	21-May	8	21-May	
26-May	11	26-May	16	26-May	12	26-May	15
26-May	11	26-May	9	26-May	12	26-May	14
26-May	11	26-May	12	26-May	13	26-May	16
26-May	13	26-May	11	26-May	13	26-May	12
26-May	6	26-May	14	26-May	12	26-May	
2-Jun	12	2-Jun	15	2-Jun	12	2-Jun	16
2-Jun	8	2-Jun	10	2-Jun	15	2-Jun	18
2-Jun	11	2-Jun	9	2-Jun	17	2-Jun	20
2-Jun	12	2-Jun	12	2-Jun	14	2-Jun	16
2-Jun	11	2-Jun	15	2-Jun	13	2-Jun	

Mutant Controls

y = 0.3156x - 12717
R² = 0.3796

Number of Leaves

Series1
Linear (Series1)

Date

Mutant Stress

y = 0.3569x - 14380
R² = 0.3193

Wild Type Control

y = 0.5468x - 22038
R² = 0.7274

Wild Type Stress

y = 0.8291x - 33421
R² = 0.7805