

Calculate General Combining Ability

	A	B	C	D	E	F	G	H	I	J	T	GCA
A		86	84	98	98	92	92	97	81	88	816	3.75
B			91	105	102	86	92	79	80	90	811	3.13
C				87	80	65	84	93	77	83	746	-5.25
D					97	100	101	97	91	80	856	8.75
E						97	83	93	78	83	811	3.13
F							80	93	76	70	759	-3.38
G								90	74	72	768	-2.25
H									91	96	829	5.38
I										78	726	-7.5
J											740	-5.75
				SUM =	3930	X 2 =	7860					
				AVG=	87.33							

$$GCA = [T_A / (n-2)] - [SUMx2/(n(n-2))]$$

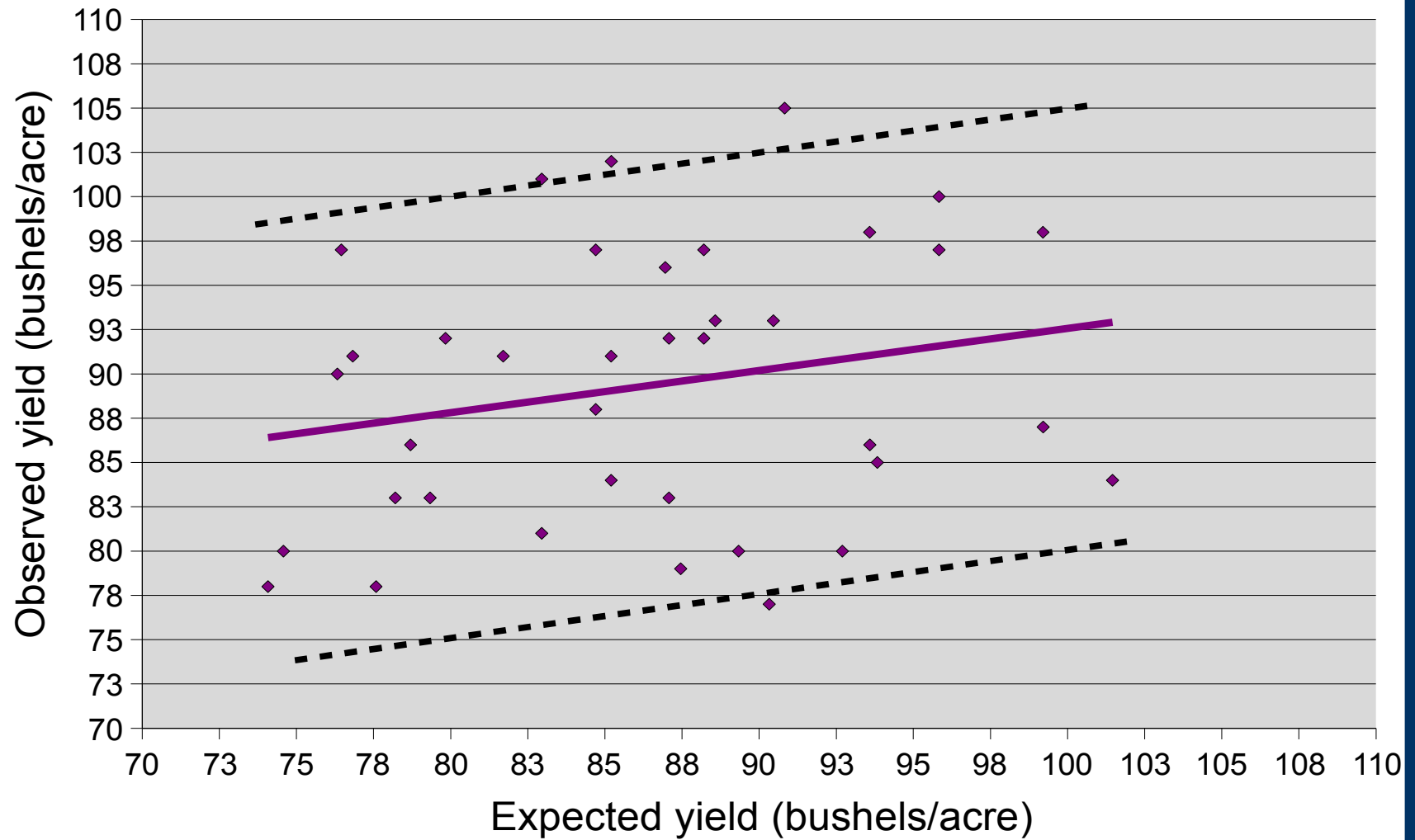
Specific Combining Ability

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Expectation of any given cross = $GCA_i + GCA_j + AVG$

SCA = Observed - Expected

Expected vs Observed yield



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