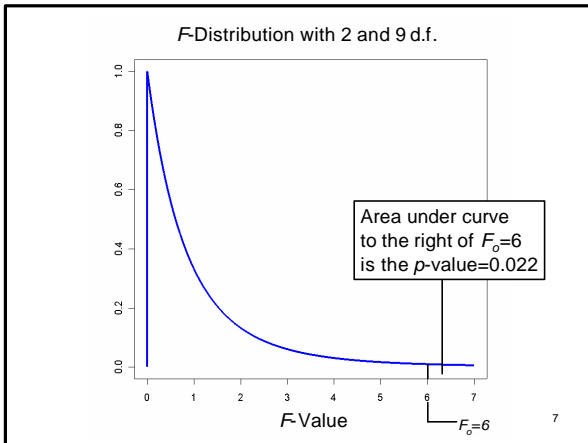
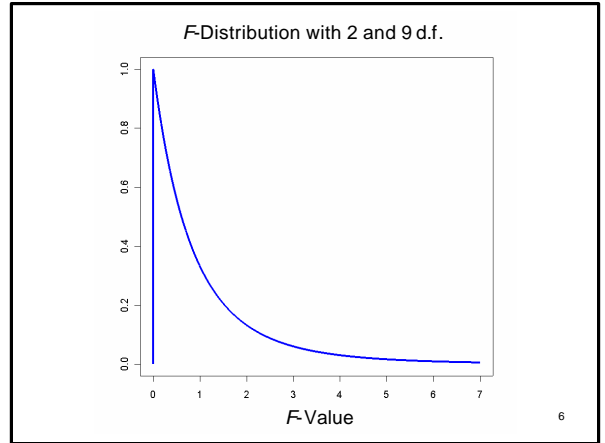


Diet	W. G.	Full Model			Reduced Model		
		Est. Mean	Resid.	Sq.	Est. Mean	Resid.	Sq.
A	28	32	-4	16	29	-1	1
A	33	32	1	1	29	4	16
A	30	32	-2	4	29	1	1
A	37	32	5	25	29	8	64
B	23	25	-2	4	29	-6	36
B	28	25	3	9	29	-1	1
B	25	25	0	0	29	-4	16
B	24	25	-1	1	29	-5	25
C	31	30	1	1	29	2	4
C	28	30	-2	4	29	-1	1
C	33	30	3	9	29	4	16
C	28	30	-2	4	29	-1	1
				78	182		

$$F = \frac{(182-78) / [(12-1) - (12-3)]}{78 / (12-3)} = 6.0$$
 Compare to F distribution with 2 and 9 d.f.  $p\text{-value} = 0.022$



It is unlikely that the differences observed among the diet means are due to chance ( $p\text{-value} = 0.022$ ).

There is evidence that the weight gain means associated with the three diets are not identical.

There is evidence that the different diets caused differences in the weight gain means.

