		Møle Conninued
	2.)	(d.) Source of variation of SS MS
	-	Reatession 5-1=4 84.6244 21.1561
		From 113-5 = 108 1 120.0576 1.0816
		Total 113-1= 112 204,6820 ***
		S=1.04 S2=[1.08] 6=MSres
		MSres = SSres 1.0816.111 = 120.0576 = SSres
		113-2
		F Stat = 19,56 F-Stat = MSR 19,56.1,0816 = 21,1561 = MSR)
		MSres
		SSR= MSR. dfR = 21,1561.4= 84.6244=SSR
		SST = SSR+SSTES = 84,6244+120,0576=[204,6820=SST]
	(e.) What is R2 for this model? Interpret in context.
4		$R^2 = SSR = -SSres = 84.6244 = [0.4134]$
		e.) What is R2 for this model? Interpret in context. R2= SSR = 1- SSres = 84.6244 = 0.4134 SST SST 204.6820
		This is the proportion of variance in the response variable that
		is explained by the predictor variables. About 41,34% of the variance in infection risk can be explained
		About 41,34% of the vanance in intection risk can be explained
		f) What is Ray for this model?
		t) What is Ray for this model:
		$R_{a}^{2} = 1 - \frac{(n-1)}{(n-p)} \frac{SSres}{SST} = 1 - \frac{(113-1)}{(113-5)} \frac{(120.0576)}{204.6820} = 1 - 0.60828$
		1 n-p/(SST / 1/13-5/(204,6820)
	2)	= 0.3917
	2,/	ANDVAF Statistic is significant, t-statistics for both predictors are insignificant. Does this warrant concern? • If the F statistic is significant then we reject the null hypothesis of $\hat{\beta}_0 = \hat{\beta}_1 = \hat{\beta}_2 = 0$, our data support a Hernative hypothesis
		are insignificant. Does this warrant concern.
		· It the F statistic Is significant then we reject the num
		nypornesis of Bo = B1 = B2 = 0, our data support attendence hypornesi
		1 That at 1908 to an experiment \$ 1)
		· It t stanstic is insignificant for the predictors we tail to
		Te ject the null hypotrusis of B; = 0 for each predictor.
		· If t stanstic is insignificant for the predictors we fail to reject the null hypothesis of $\hat{\mathbf{g}}_{j} = 0$ for each predictor. This is concerning, as these two tests should arow the same conclusions, leither all reject the null hypotheses of all fail to reject the null hypotheses.
,		surve conclusions, vertice an reject the null hypotheses or
		all tall to reject the null hypotheses.
		U V

4)
$$H = X(x, x)_{-1}X$$
,

 $X(x, x)_{-1}(x, x)_{-1}X$,

 $X(x, x)_{-1}(x, x)_{-1}(x, x)_{-1}X$,