

Appendix 1

a). TWO WAY ANOVA: Rate of food consumption

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	18.761	3.000	6.254	9.179	0.012	4.757
Between size	200.640	2.000	100.320	147.244	0.000	5.143
Error	4.088	6.000	0.681			
Total	223.489	11.000				

b). TWO WAY ANOVA: Rate of energy consumption

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	1252.650	3.000	417.550	14.051	0.004	4.757
Between size	50269.520	2.000	25134.760	845.814	0.000	5.143
Error	178.300	6.000	29.717			
Total	51700.470	11.000				

c). TWO WAY ANOVA: Rate of absorption

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	1920.429	3.000	640.143	3.024	0.115	4.757
Between size	42865.395	2.000	21432.698	101.244	0.000	5.143
Error	1270.158	6.000	211.693			
Total	46055.983	11.000				

d). TWO WAY ANOVA: Absorption efficiency

<i>Source of Variation</i>	<i>SS</i>	<i>Df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	3.993	3.000	1.331	5.068	0.044	4.757
Between size	0.827	2.000	0.414	1.576	0.282	5.143
Error	1.575	6.000	0.263			
Total	6.396	11.000				

e). TWO WAY ANOVA: Rate of metabolism

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	536.416	3.000	178.805	6.485	0.026	4.757
Between size	19774.385	2.000	9887.193	358.574	0.000	5.143
Error	165.442	6.000	27.574			
Total	20476.243	11.000				

f). TWO WAY ANOVA: Rate of energy conversion

<i>Source of Variation</i>	<i>SS</i>	<i>Df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	1088.965	3.000	362.988	5.247	0.041	4.757
Between size	4125.535	2.000	2062.767	29.816	0.001	5.143
Error	415.099	6.000	69.183			
Total	5629.598	11.000				

Appendix 2

g). TWO WAY ANOVA: Gross conversion efficiency (K₁)

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	39.761	3.000	13.254	10.340	0.009	4.757
Between size	35.262	2.000	17.631	13.754	0.006	5.143
Error	7.691	6.000	1.282			
Total	82.714	11.000				

h). TWO WAY ANOVA: Net conversion efficiency (K₂)

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	58.847	3.000	19.616	23.038	0.001	4.757
Between size	44.983	2.000	22.491	26.416	0.001	5.143
Error	5.109	6.000	0.851			
Total	108.939	11.000				

i). TWO WAY ANOVA: FCR

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	0.509	3.000	0.170	59.041	0.000	4.757
Between size	0.135	2.000	0.068	23.516	0.001	5.143
Error	0.017	6.000	0.003			
Total	0.662	11.000				

j). TWO WAY ANOVA: PER%

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	0.320	3.000	0.107	70.385	0.000	4.757
Between size	0.055	2.000	0.027	18.006	0.003	5.143
Error	0.009	6.000	0.002			
Total	0.383	11.000				

k). TWO WAY ANOVA: FE%

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	132.820	3.000	44.273	72.080	0.000	4.757
Between size	72.083	2.000	36.042	58.678	0.000	5.143
Error	3.685	6.000	0.614			
Total	208.588	11.000				

l). TWO WAY ANOVA: Post prandial RMR

<i>Source of Variation</i>	<i>SS</i>	<i>df</i>	<i>MS</i>	<i>F</i>	<i>P-value</i>	<i>F crit</i>
Between feed	0.001669	2	0.000834	125.15	0.000247	6.94
Between size	0.005129	2	0.002564	384.65	0.000027	6.94
Error	0.000027	2	0.000007			
Total	0.006824	8				