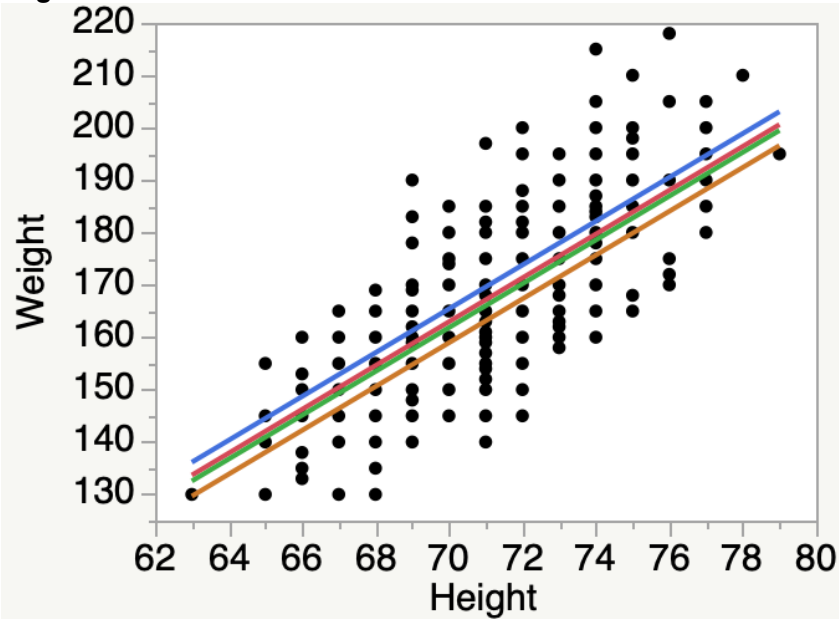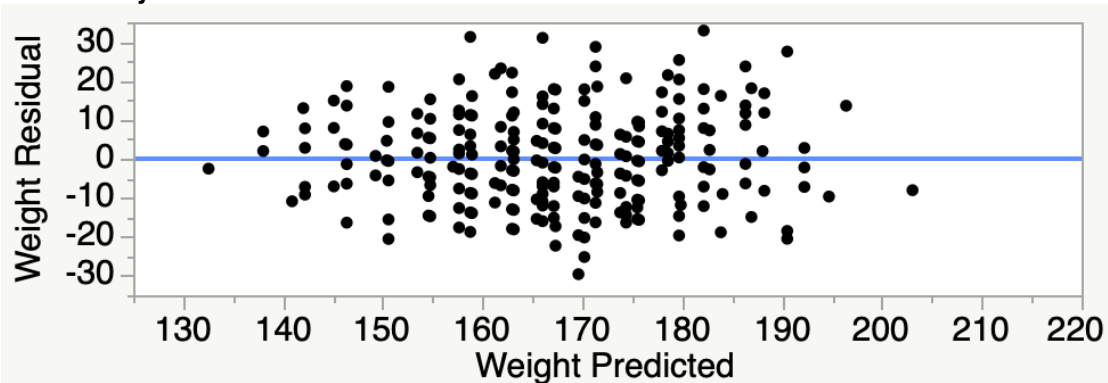**Regression Plot**

— Line of Fit for Pos[D]
— Line of Fit for Pos[F]
— Line of Fit for Pos[GK]
— Line of Fit for Pos[M]

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	46	5698.932	123.890	1.0705
Pure Error	349	40390.378	115.732	**Prob > F**
Total Error	395	46089.311		0.3572
				Max RSq

Residual by Predicted Plot

Summary of Fit

RSquare	0.545173
RSquare Adj	0.540567
Root Mean Square Error	10.80193
Mean of Response	165.925
Observations (or Sum Wgts)	400

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	4	55244.44	13811.1	118.3656
Error	395	46089.31	116.7	**Prob > F**
C. Total	399	101333.75		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob>ltl
Intercept	-130.543	15.7401	-8.29	<.0001*
Height	4.183252	0.220825	18.94	<.0001*
Pos[D]	0.6661175	0.894272	0.74	0.4568
Pos[F]	-0.455759	0.98289	-0.46	0.6431
Pos[GK]	3.1334153	1.218379	2.57	0.0105*

Effect Tests

Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
Height	1	1	41873.046	358.8653	<.0001*
Pos	3	3	1741.509	4.9751	0.0021*

```
##################################################
######### ANOVA table for model with interactions ########
```

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	7	55431.58	7918.80	67.6258
Error	392	45902.17	117.10	**Prob > F**
C. Total	399	101333.75		<.0001*