

JMP Regression Summary and Profile Plots

Summary of Fit

RSquare	0.890429
RSquare Adj	0.8466
Root Mean Square Error	1.371166
Mean of Response	8.209524
Observations (or Sum Wgts)	15

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	4	152.78543	38.1964	20.3162
Error	10	18.80096	1.8801	Prob > F
C. Total	14	171.58639		<.0001*

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	4.0806723	0.648272	6.29	<.0001*
Frequency(1,5)	1.1714286	0.433601	2.70	0.0223*
Pct Power(15,55)	-1.742857	0.433601	-4.02	0.0024*
Pct Power*Pct Power	6.1932773	0.814594	7.60	<.0001*
MarkSpeed*Frequency	1.512605	0.525818	2.88	0.0165*

Figure 1: JMP regression analysis of final model chosen by the stepwise/*AICc* algorithm.

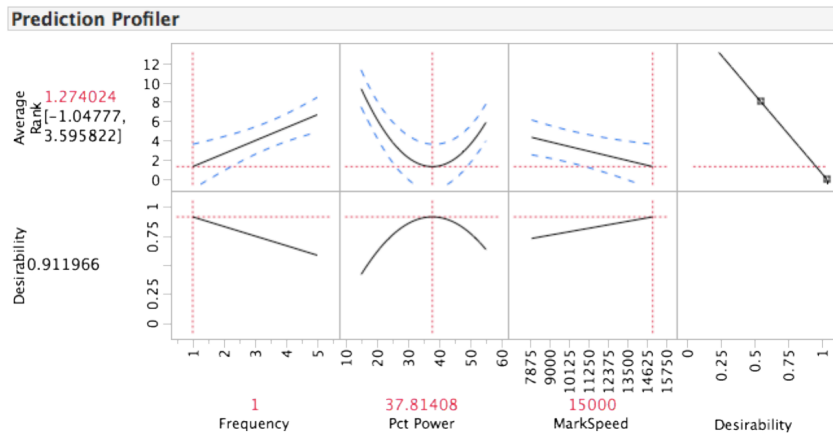


Figure 2: JMP prediction profiler following minimization of the predicted rank.