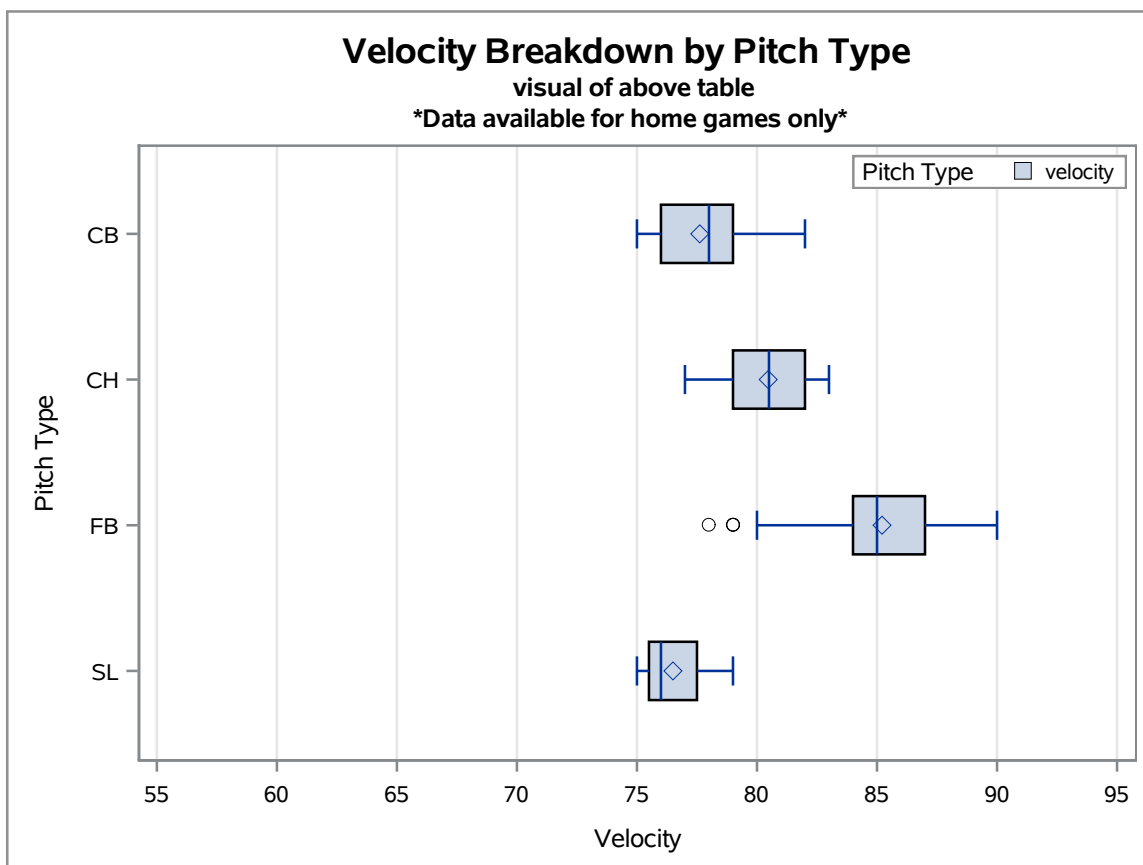


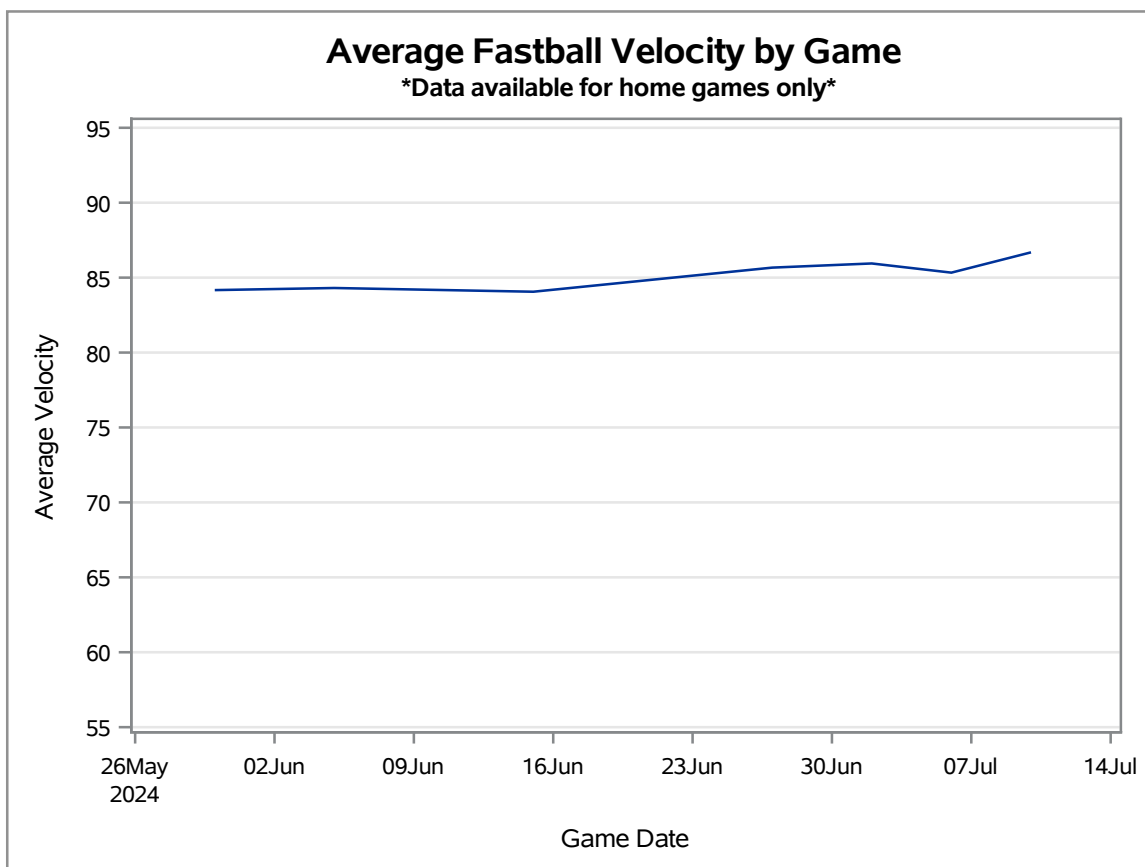
Velocity Breakdown by Pitch Type

Data available for home games only

1

Analysis Variable : velocity					
pitchType	N Obs	N	Minimum	Mean	Maximum
CB	34	34	75.0	77.6	82.0
CH	60	60	77.0	80.5	83.0
FB	133	133	78.0	85.2	90.0
SL	4	4	75.0	76.5	79.0





Swinging Strike Rate by Zone

Zones 1-9 are inside strikezone, 10-13 are outside of zone

Pitch Location	Total Pitches	Total Swings	Total Misses	Swinging Strike Rate
1	13	7	1	7.69%
2	14	13	1	7.14%
3	12	5	1	8.33%
4	20	12	2	10.00%
5	27	19	3	11.11%
6	27	16	6	22.22%
7	15	4	3	20.00%
8	20	11	1	5.00%
9	18	13	4	22.22%
10	25	4	1	4.00%
11	32	8	8	25.00%
12	36	5	4	11.11%
13	50	10	7	14.00%

Regression Analysis of Velocity by Pitch Type

Data available for home games only

Dependent Variable: velocity

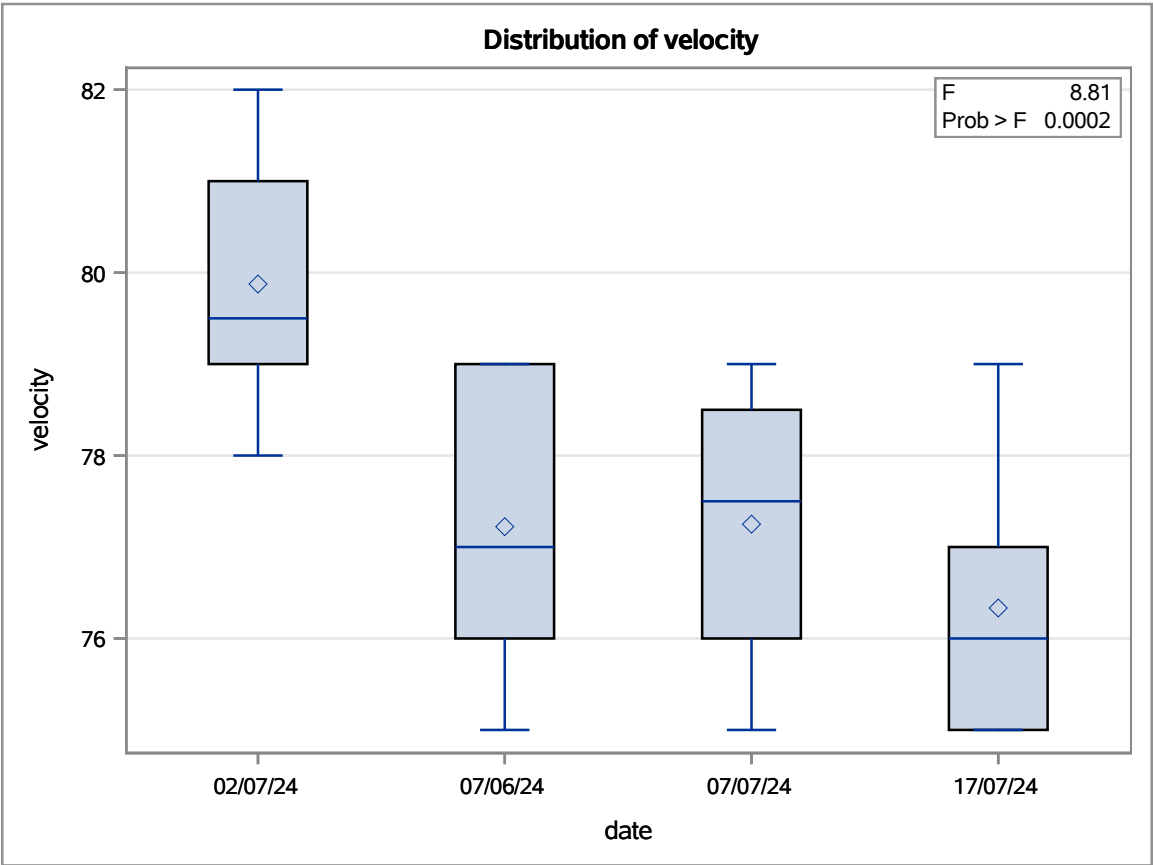
pitchType=CB

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	58.0988562	19.3662854	8.81	0.0002
Error	30	65.9305556	2.1976852		
Corrected Total	33	124.0294118			

R-Square	Coeff Var	Root MSE	velocity Mean
0.468428	1.909951	1.482459	77.61765

Source	DF	Type I SS	Mean Square	F Value	Pr > F
date	3	58.09885621	19.36628540	8.81	0.0002

Source	DF	Type III SS	Mean Square	F Value	Pr > F
date	3	58.09885621	19.36628540	8.81	0.0002



Regression Analysis of Velocity by Pitch Type

Data available for home games only

6

Dependent Variable: velocity

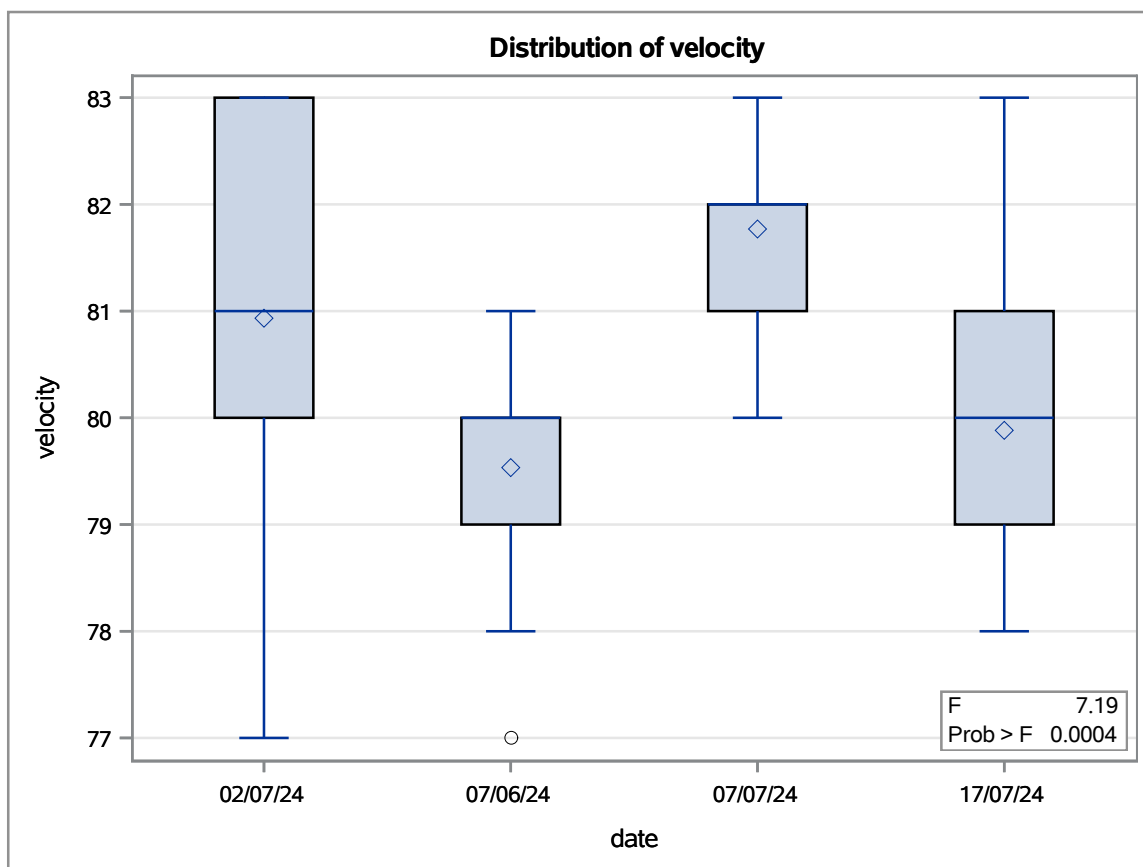
pitchType=CH

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	44.1942685	14.7314228	7.19	0.0004
Error	56	114.7390649	2.0489119		
Corrected Total	59	158.9333333			

R-Square	Coeff Var	Root MSE	velocity Mean
0.278068	1.778876	1.431402	80.46667

Source	DF	Type I SS	Mean Square	F Value	Pr > F
date	3	44.19426848	14.73142283	7.19	0.0004

Source	DF	Type III SS	Mean Square	F Value	Pr > F
date	3	44.19426848	14.73142283	7.19	0.0004



Regression Analysis of Velocity by Pitch Type

Data available for home games only

7

Dependent Variable: velocity

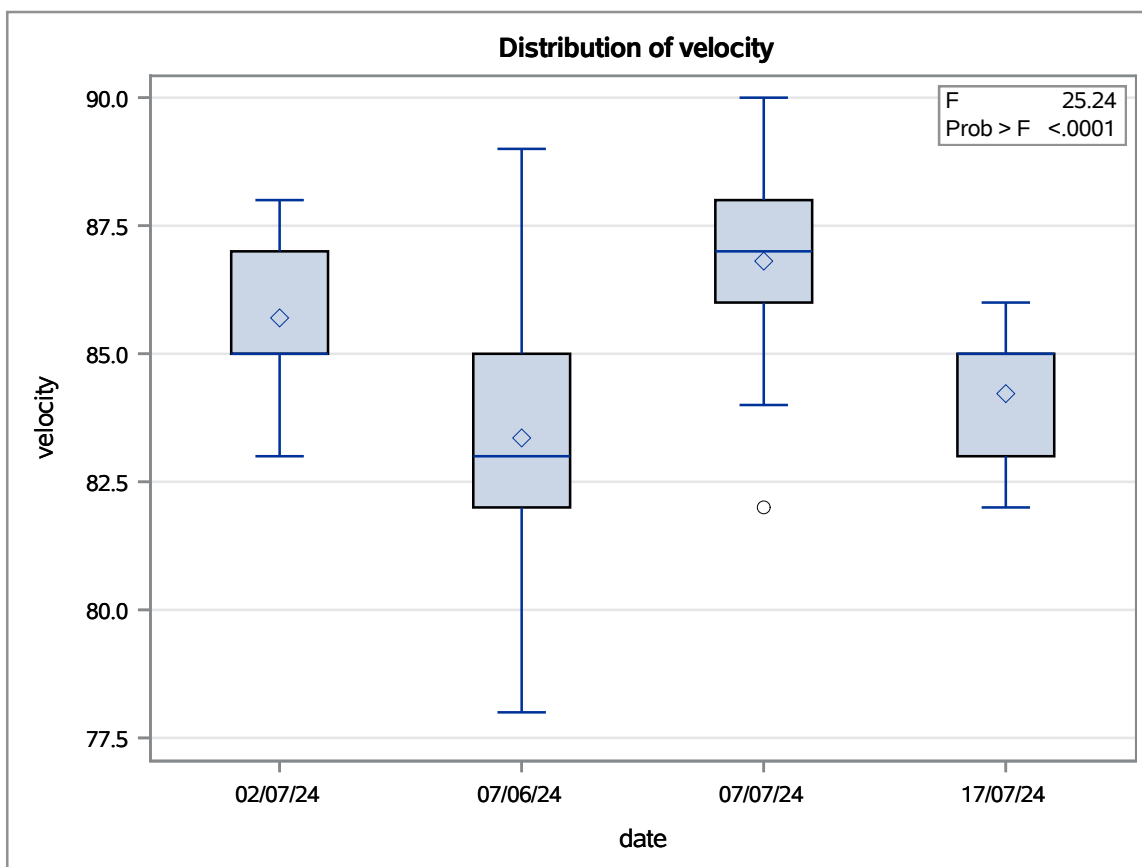
pitchType=FB

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	3	270.0306600	90.0102200	25.24	<.0001
Error	129	460.0746032	3.5664698		
Corrected Total	132	730.1052632			

R-Square	Coeff Var	Root MSE	velocity Mean
0.369852	2.216287	1.888510	85.21053

Source	DF	Type I SS	Mean Square	F Value	Pr > F
date	3	270.0306600	90.0102200	25.24	<.0001

Source	DF	Type III SS	Mean Square	F Value	Pr > F
date	3	270.0306600	90.0102200	25.24	<.0001



Regression Analysis of Velocity by Pitch Type

Data available for home games only

Dependent Variable: velocity

pitchType=SL

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	3.00000000	3.00000000	1.00	0.4226
Error	2	6.00000000	3.00000000		
Corrected Total	3	9.00000000			

R-Square	Coeff Var	Root MSE	velocity Mean
0.333333	2.264119	1.732051	76.50000

Source	DF	Type I SS	Mean Square	F Value	Pr > F
date	1	3.00000000	3.00000000	1.00	0.4226

Source	DF	Type III SS	Mean Square	F Value	Pr > F
date	1	3.00000000	3.00000000	1.00	0.4226

