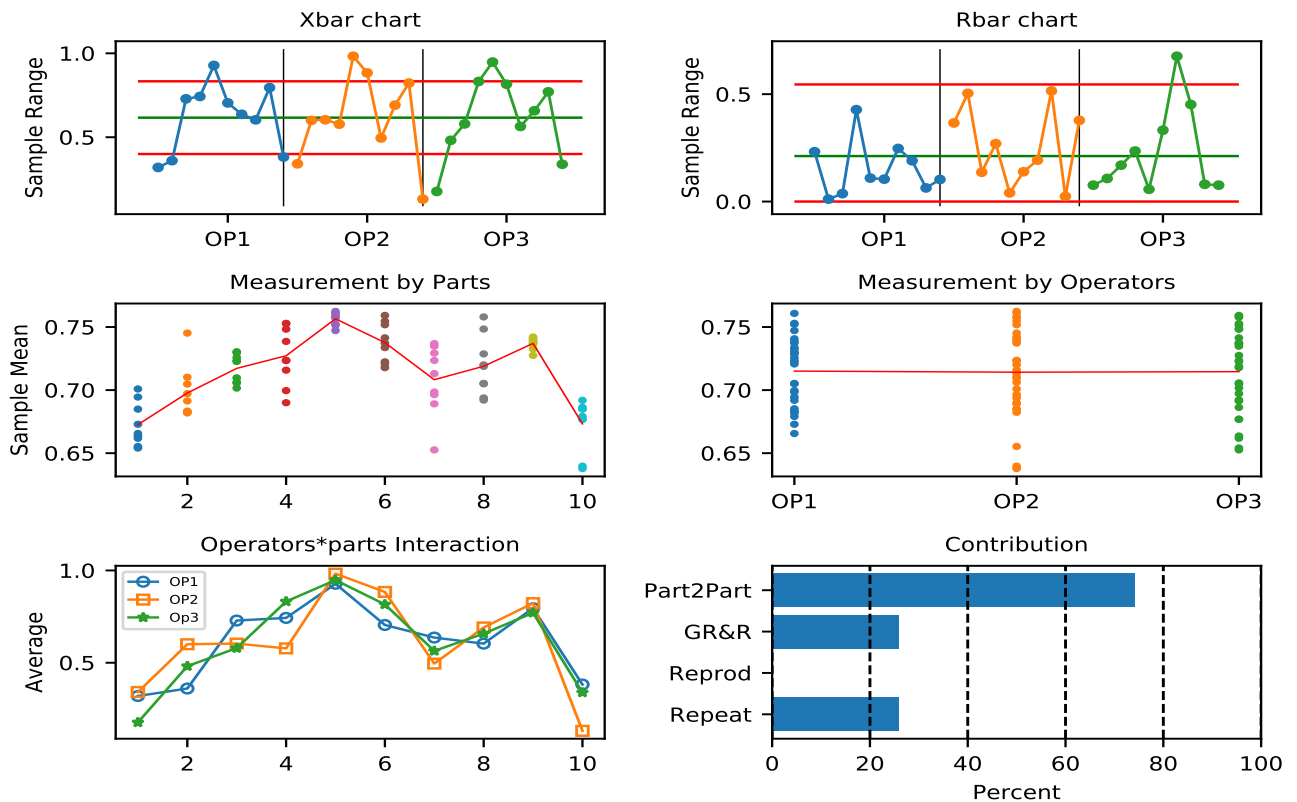


1 Summary

Num	Item	Repeatability	Reproducibility	NDC	RR	Result
1	SFR_55lp_30IH_TR_H	25.861679477728128	0.0	3.0	15.332	Adequate
2	SFR_55lp_30IH_TL_V	6.400936390635896	0.15644691947343684	6.0	6.529	Excellent
3	SFR_55lp_80IH_TR_V	9.435197685556197	0.5076533673566802	5.0	8.161	Excellent
4	SFR_55lp_80IH_TR_H	7.803450378100315	0.0	5.0	9.189	Excellent
5	SFR_55lp_30IH_TL_H	4.794182995380651	0.0	7.0	9.594	Excellent
6	SFR_55lp_30IH_TR_V	29.94618563285823	0.0	3.0	16.147	Adequate
7	SFR_55lp_80IH_TL_V	5.560954650762702	0.4301367239307602	6.0	7.092	Excellent
8	SFR_55lp_60IH_BL_H	4.589474096348716	0.0	7.0	5.79	Excellent
9	SFR_55lp_Center_V	53.97545172046776	0.0	2.0	22.698	Marginally Acceptable
10	SFR_55lp_80IH_BR_V	10.618787188937883	0.0	5.0	10.254	Adequate
11	SFR_55lp_80IH_BR_H	6.25027861723445	0.0	6.0	10.681	Adequate
12	SFR_55lp_80IH_TL_H	5.155827732897832	0.0	7.0	6.068	Excellent
13	SFR_55lp_Center_H	20.19971142605705	0.0	3.0	27.017	Marginally Acceptable
14	SFR_55lp_60IH_BL_V	14.68964436566928	0.0	4.0	6.186	Excellent
15	SFR_55lp_30IH_BR_V	37.87915043826519	0.0	2.0	19.744	Adequate
16	SFR_55lp_30IH_BR_H	38.32856570602277	0.0	2.0	19.061	Adequate
17	SFR_55lp_60IH_TL_H	21.231936524234264	0.15988261204366108	3.0	6.685	Excellent
18	SFR_55lp_60IH_BR_V	10.704339279683031	0.0	5.0	9.561	Excellent
19	SFR_55lp_60IH_TR_V	33.96476292662498	0.0	2.0	10.481	Adequate
20	SFR_55lp_80IH_BL_H	3.142807667145462	0.15866158108046408	8.0	6.434	Excellent
21	SFR_55lp_30IH_BL_V	7.568254922374937	0.0	5.0	7.963	Excellent
22	SFR_55lp_80IH_BL_V	4.931077435363079	0.5352074841085198	6.0	7.206	Excellent
23	SFR_55lp_60IH_TR_H	27.63237977404741	0.0	3.0	11.945	Adequate
24	SFR_55lp_30IH_BL_H	6.167669610351596	0.0	6.0	10.173	Adequate
25	SFR_55lp_60IH_BR_H	10.664361769012991	0.0	5.0	9.793	Excellent
26	SFR_55lp_60IH_TL_V	7.570546201136781	0.13790054562248458	5.0	5.81	Excellent
27	color_r_g_ratio	0.037862009371414915	0.00019781163320223136	73.0	0.44	Excellent
28	color_gr_gb_ratio	9.066129205876402	0.15754407661292688	5.0	0.756	Excellent
29	color_b_g_ratio	0.6608616788661206	0.9491252551759212	12.0	1.947	Excellent
30	OC_shift_r_um	7.914518494942049	0.10969036320723266	5.0	8.765	Excellent
31	RI	1.9018749970515847	0.0	11.0	0.499	Excellent
32	color_gr_gb_ratio	11.085790877280306	0.17270867053426844	4.0	0.899	Excellent
33	color_b_g_ratio	0.618753619192708	0.9440778178047237	12.0	1.398	Excellent
34	color_r_g_ratio	0.0570333894617089	0.011090226471677206	55.0	0.308	Excellent
35	SFR_110lp_60IH_TL_H	16.665905127668186	2.9946780462649762	3.0	20.164	Marginally Acceptable

36	SFR_110lp_60IH_BR_V	15.644186171209126	0.08704074744909009	4.0	16.087	Adequate
37	SFR_110lp_30IH_BL_V	18.269592903011365	0.989665828950837	3.0	9.0	Excellent
38	SFR_110lp_60IH_TR_V	21.15534735622322	0.12140776565198966	3.0	11.723	Adequate
39	SFR_110lp_80IH_BL_H	16.601253272649444	2.99272371438411	3.0	11.747	Adequate
40	SFR_110lp_80IH_TR_V	11.1556914711689	0.533343778001517	4.0	9.358	Excellent
41	SFR_110lp_80IH_BL_V	12.238435844153988	0.10118899862312028	4.0	9.283	Excellent
42	SFR_110lp_30IH_BL_H	14.60440875618986	2.2734661360629396	4.0	17.608	Adequate
43	SFR_110lp_60IH_TR_H	8.295180614743764	0.0	5.0	14.724	Adequate
44	SFR_110lp_60IH_BR_H	5.410702156413652	0.0	6.0	12.547	Adequate
45	SFR_110lp_60IH_TL_V	17.138579437105268	5.843083569055919	3.0	13.712	Adequate
46	SFR_110lp_Center_V	20.65668359412615	0.0	3.0	11.504	Adequate
47	SFR_110lp_30IH_TR_H	17.522690273193238	0.0	4.0	14.574	Adequate
48	SFR_110lp_30IH_TL_V	25.062550941341016	1.540367698138259	3.0	7.934	Excellent
49	SFR_110lp_80IH_TR_H	9.3505198269811	0.4424225141507487	5.0	14.014	Adequate
50	SFR_110lp_30IH_TL_H	17.50980145080824	1.115874672503577	3.0	16.859	Adequate
51	SFR_110lp_30IH_TR_V	18.987711656910268	5.256463923487041	3.0	18.653	Adequate
52	SFR_110lp_60IH_BL_H	14.150282764376371	4.419857569043936	3.0	17.93	Adequate
53	SFR_110lp_80IH_BR_V	19.16045470390485	0.0	3.0	11.402	Adequate
54	SFR_110lp_80IH_BR_H	7.470631146510677	0.09681417625965677	5.0	10.934	Adequate
55	SFR_110lp_Center_H	30.080633988507937	2.7294956235594934	3.0	23.165	Marginally Acceptable
56	SFR_110lp_60IH_BL_V	20.373730614128736	2.1485842218245694	3.0	10.975	Adequate
57	SFR_110lp_80IH_TL_H	11.476885773658918	2.201954587453755	4.0	14.327	Adequate
58	SFR_110lp_30IH_BR_V	24.436110106681923	5.227901546002543	3.0	14.008	Adequate
59	SFR_110lp_30IH_BR_H	17.405730956296665	0.0	4.0	12.663	Adequate
60	SFR_110lp_80IH_TL_V	19.70793948425373	5.9254627226637355	3.0	11.509	Adequate

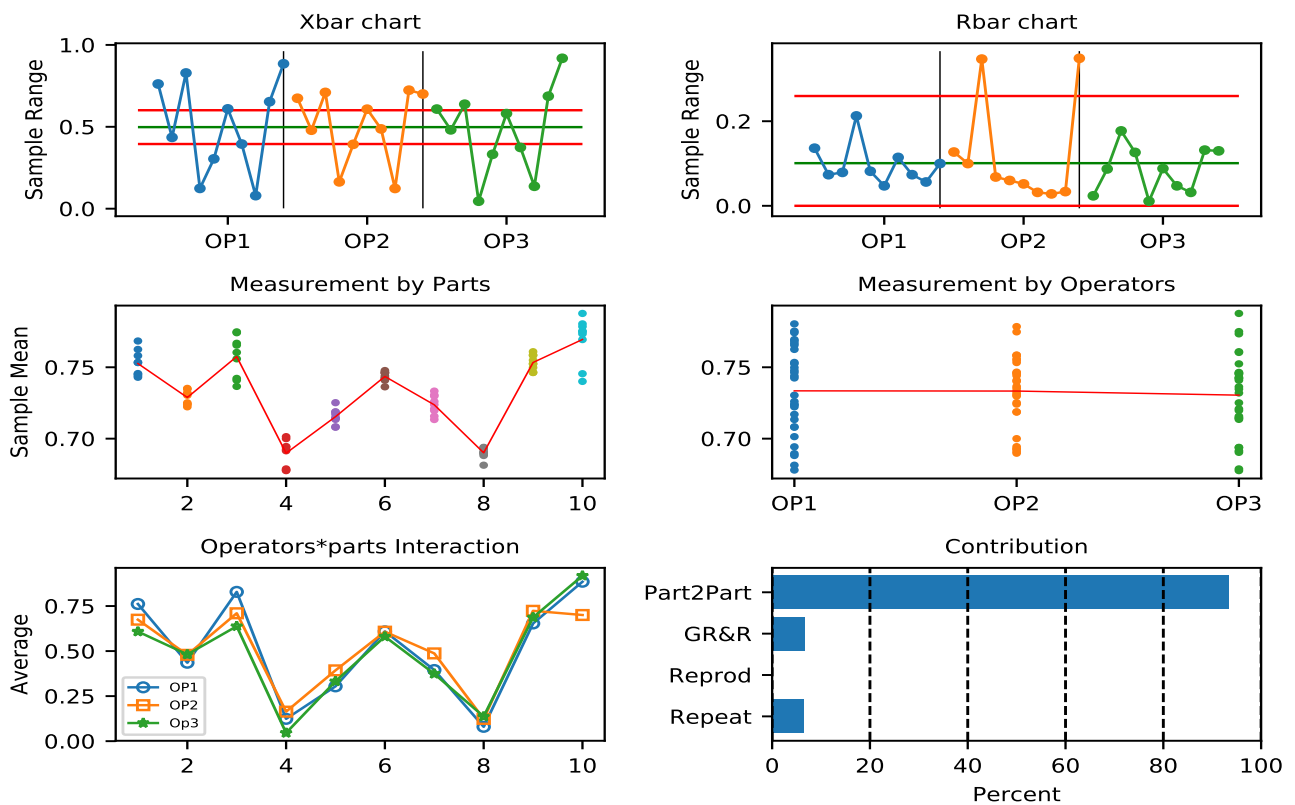
2.1 SFR_55lp_30IH_TR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.015587273333333332	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.015587273333333332	
Part Variation(PV)	0.026391444444444448	
Total Variation(TV)	0.03065079819241652	
Precision/Tolerance Ratio	15.332	

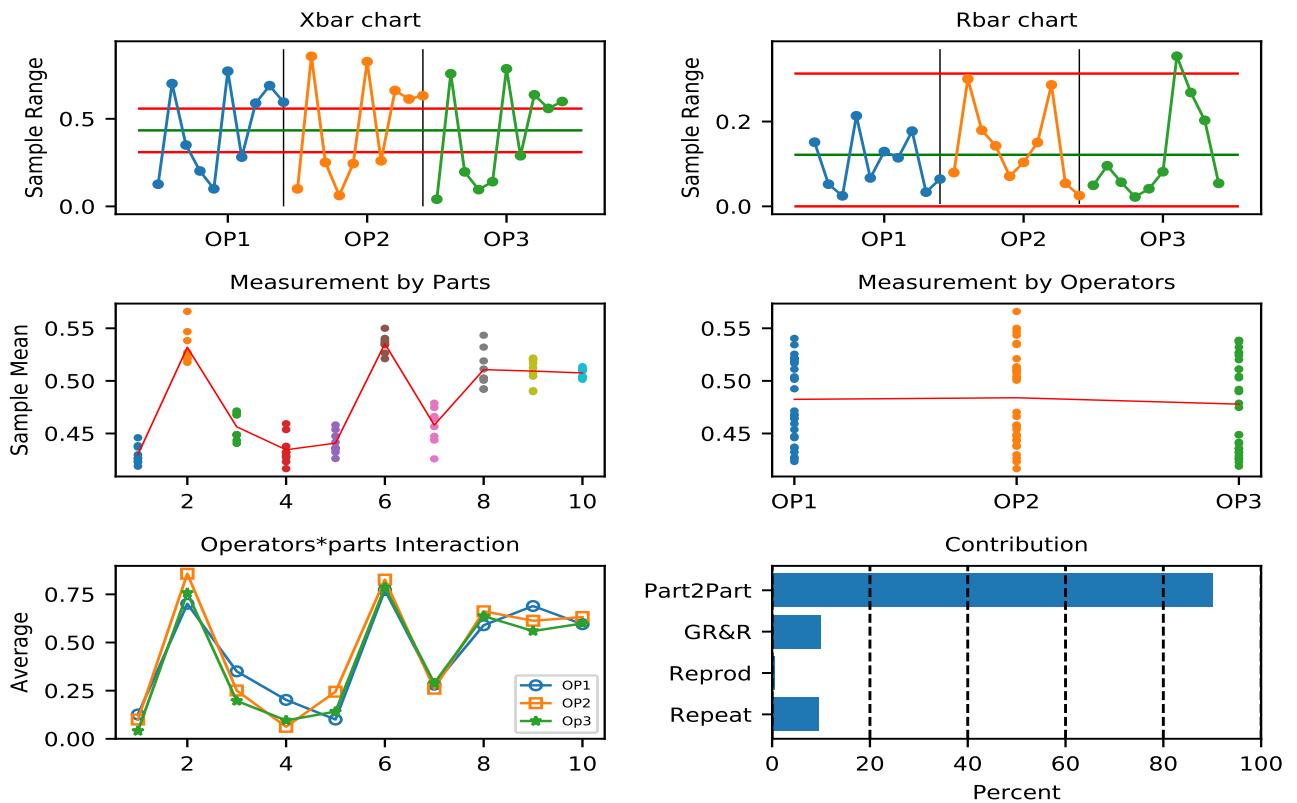
2.2 SFR_55lp_30IH_TL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.006557880000000005	
Appraiser Variation(AV, Reproducibility)	0.0010252392346644062	
GRR	0.0066375376144090755	
Part Variation(PV)	0.025056142222222228	
Total Variation(TV)	0.025920400626589964	
Precision/Tolerance Ratio	6.529	

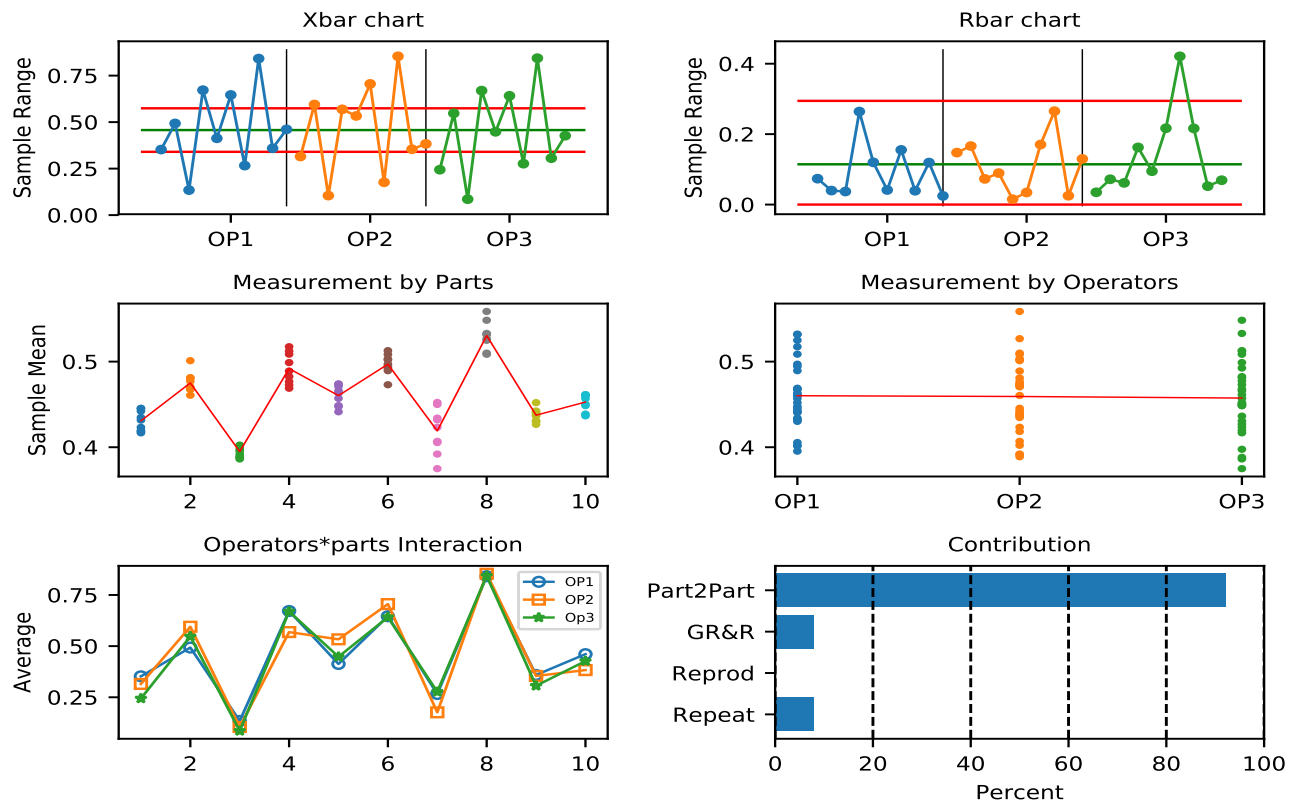
2.3 SFR_55lp_80IH_TR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.010732866666666665	
Appraiser Variation(AV, Reproducibility)	0.002489567282329185	
GRR	0.01101782066189536	
Part Variation(PV)	0.033158840000000016	
Total Variation(TV)	0.03494139439523399	
Precision/Tolerance Ratio	8.161	

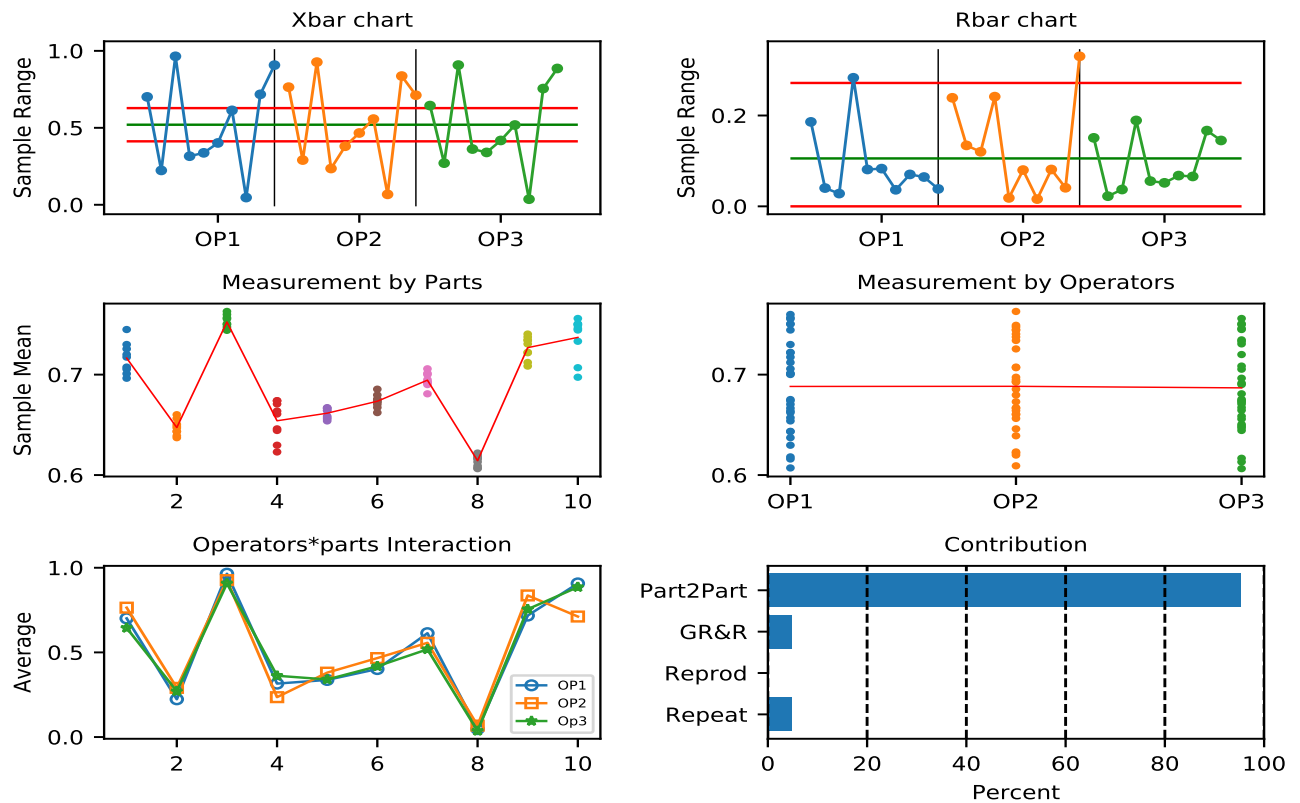
2.4 SFR_55lp_80IH_TR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.012404830666666665	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.012404830666666665	
Part Variation(PV)	0.042638786666666664	
Total Variation(TV)	0.04440659807139233	
Precision/Tolerance Ratio	9.189	

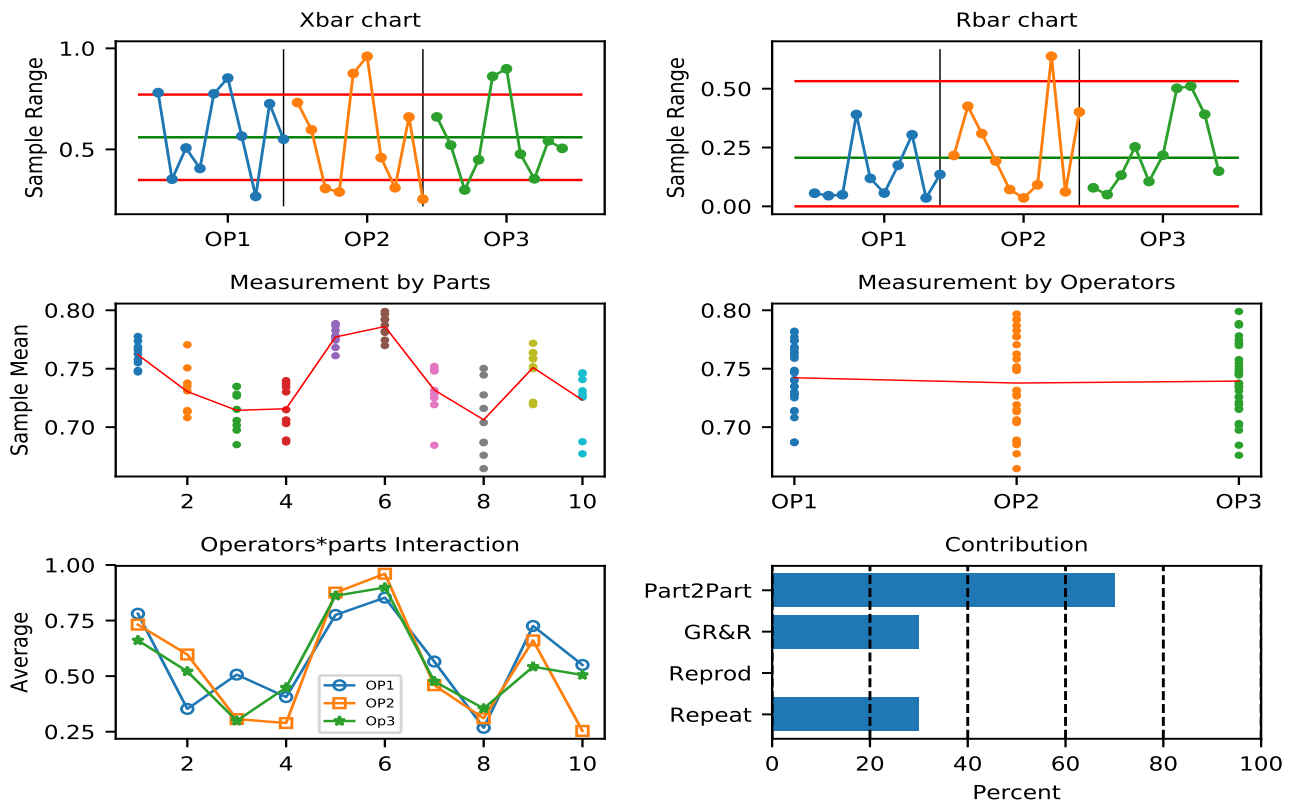
2.5 SFR_55lp_30IH_TL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.009754108000000003	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.009754108000000003	
Part Variation(PV)	0.043467233333333333	
Total Variation(TV)	0.044548209801630725	
Precision/Tolerance Ratio	9.594	

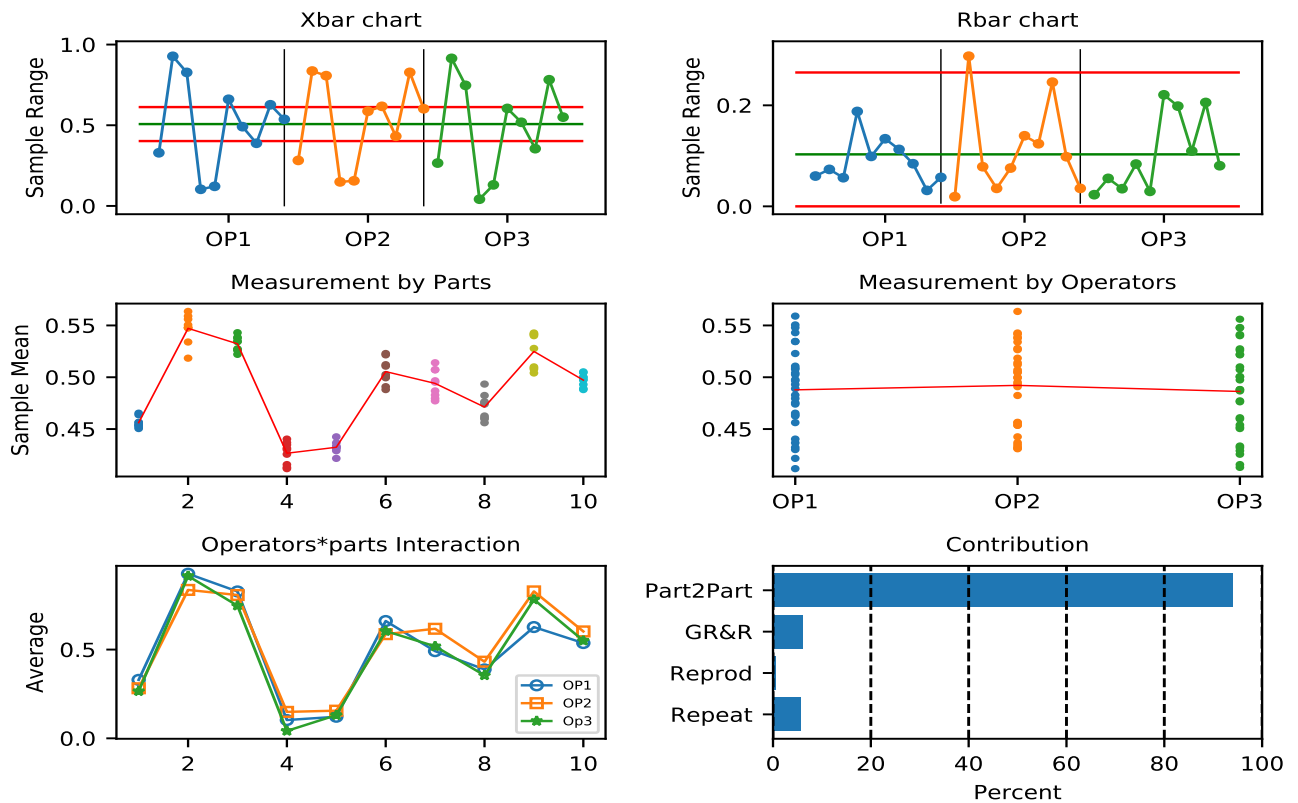
2.6 SFR_55lp_30IH_TR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.016416362666666677	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.016416362666666677	
Part Variation(PV)	0.025108575555555537	
Total Variation(TV)	0.0299989588091415	
Precision/Tolerance Ratio	16.147	

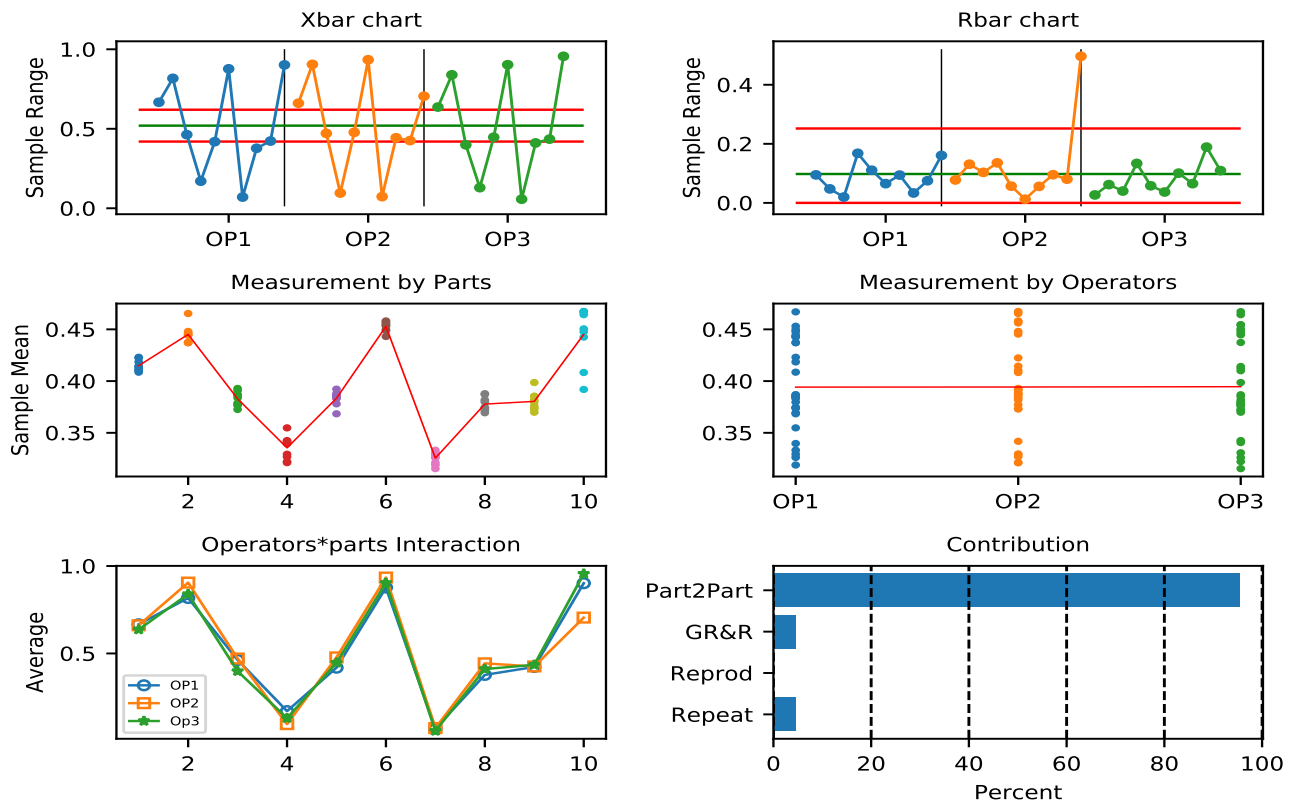
2.7 SFR_55lp_80IH_TL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.009224357333333329	
Appraiser Variation(AV, Reproducibility)	0.0025654567834489063	
GRR	0.009574462737969393	
Part Variation(PV)	0.03792677777777775	
Total Variation(TV)	0.03911663085345798	
Precision/Tolerance Ratio	7.092	

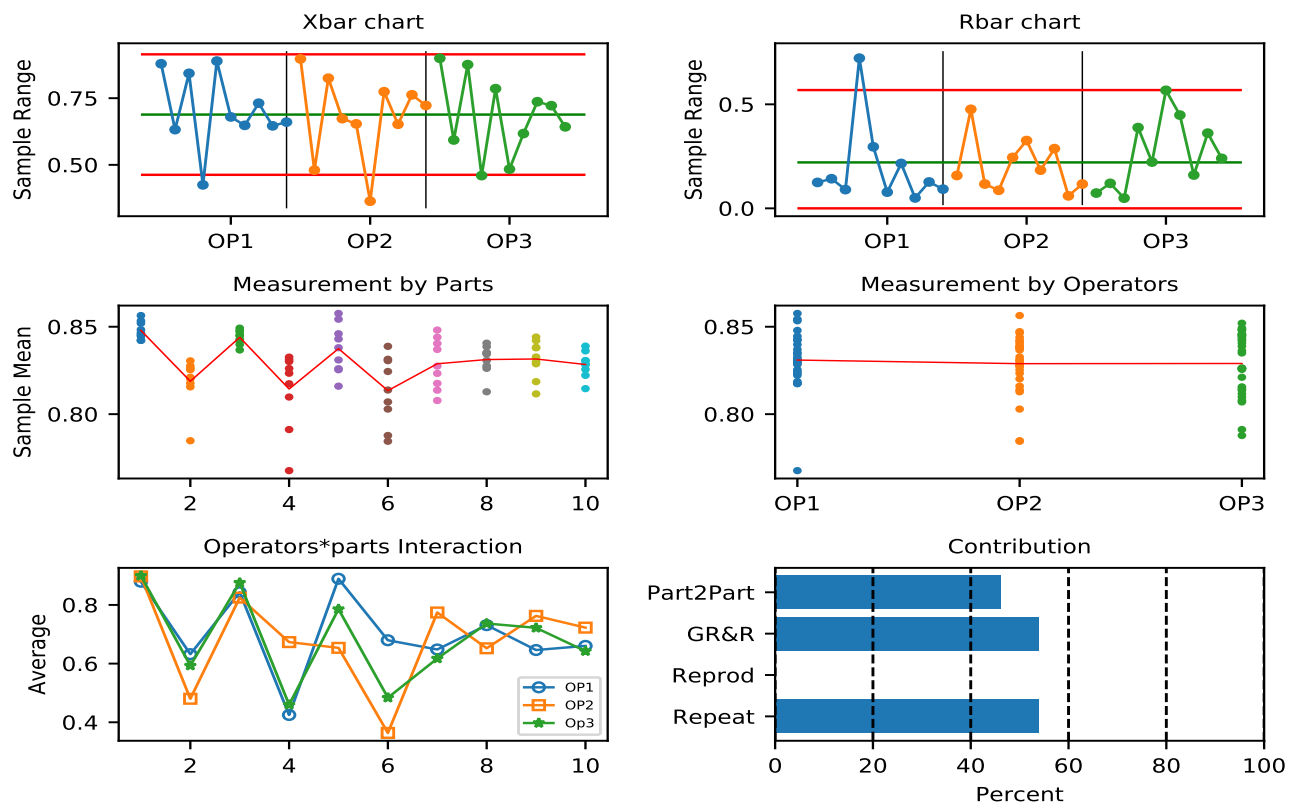
2.8 SFR_55lp_60IH_BL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.008781257333333329	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.008781257333333329	
Part Variation(PV)	0.04003809333333331	
Total Variation(TV)	0.04098974747571556	
Precision/Tolerance Ratio	5.79	

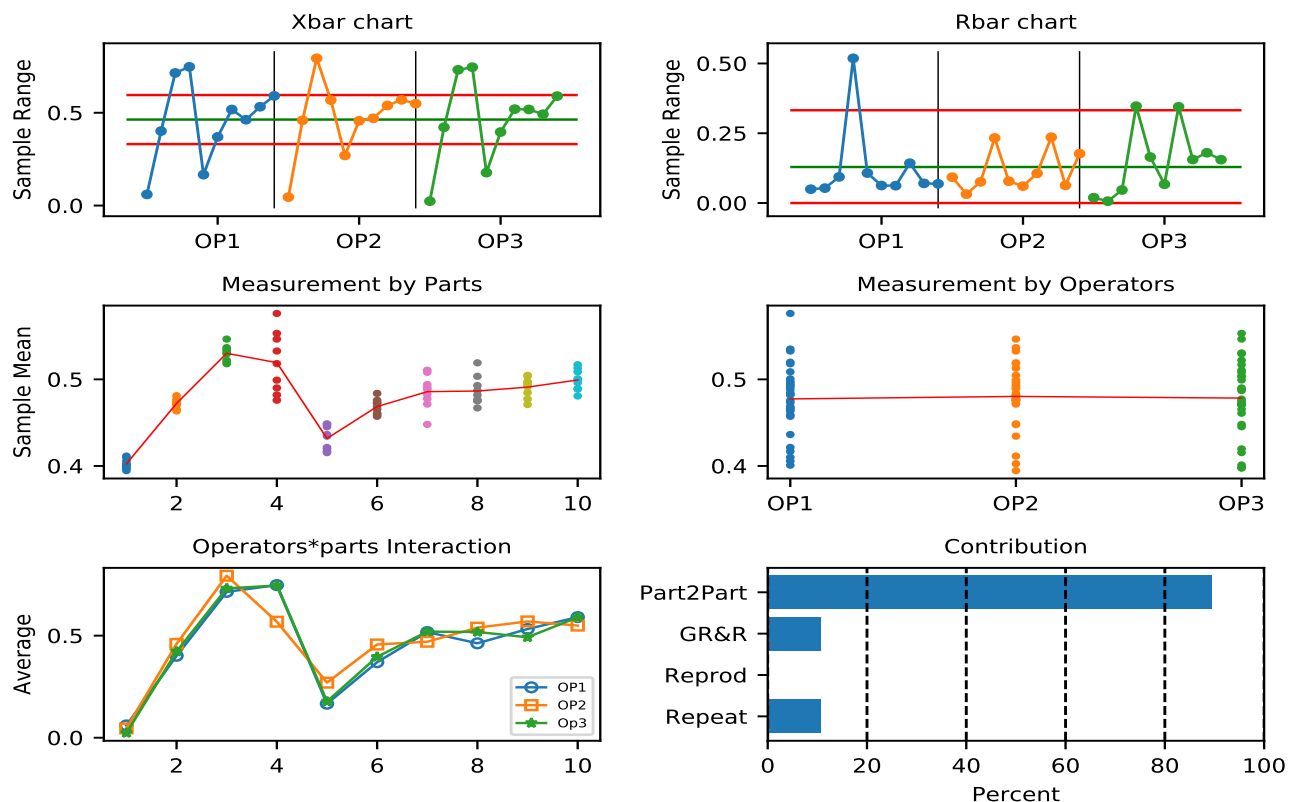
2.9 SFR_55lp_Center_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.69	
Equipment Variation(EV, Repeatability)	0.011727380000000004	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.011727380000000004	
Part Variation(PV)	0.010829231111111117	
Total Variation(TV)	0.015962571475869953	
Precision/Tolerance Ratio	22.698	

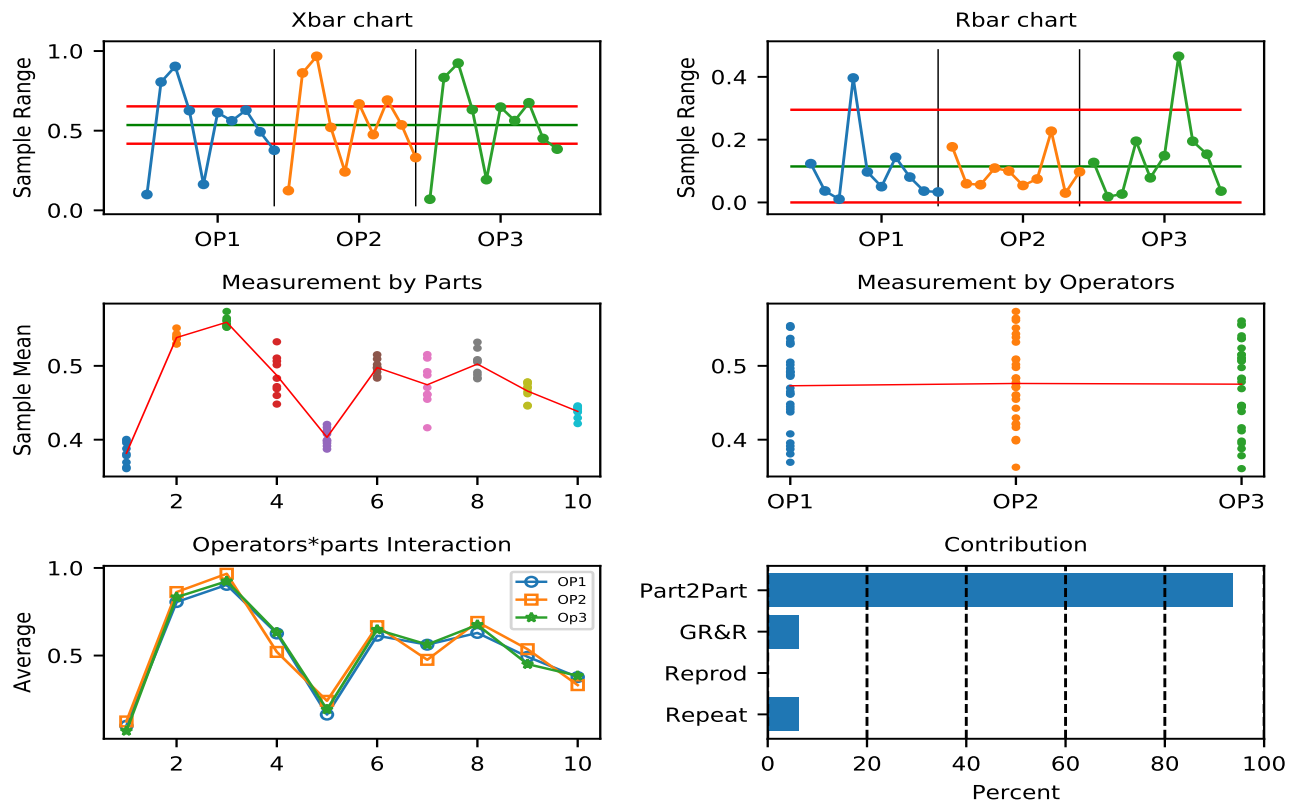
2.10 SFR_55lp_80IH_BR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.013842444000000006	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.013842444000000006	
Part Variation(PV)	0.040160437777777779	
Total Variation(TV)	0.04247910096030632	
Precision/Tolerance Ratio	10.254	

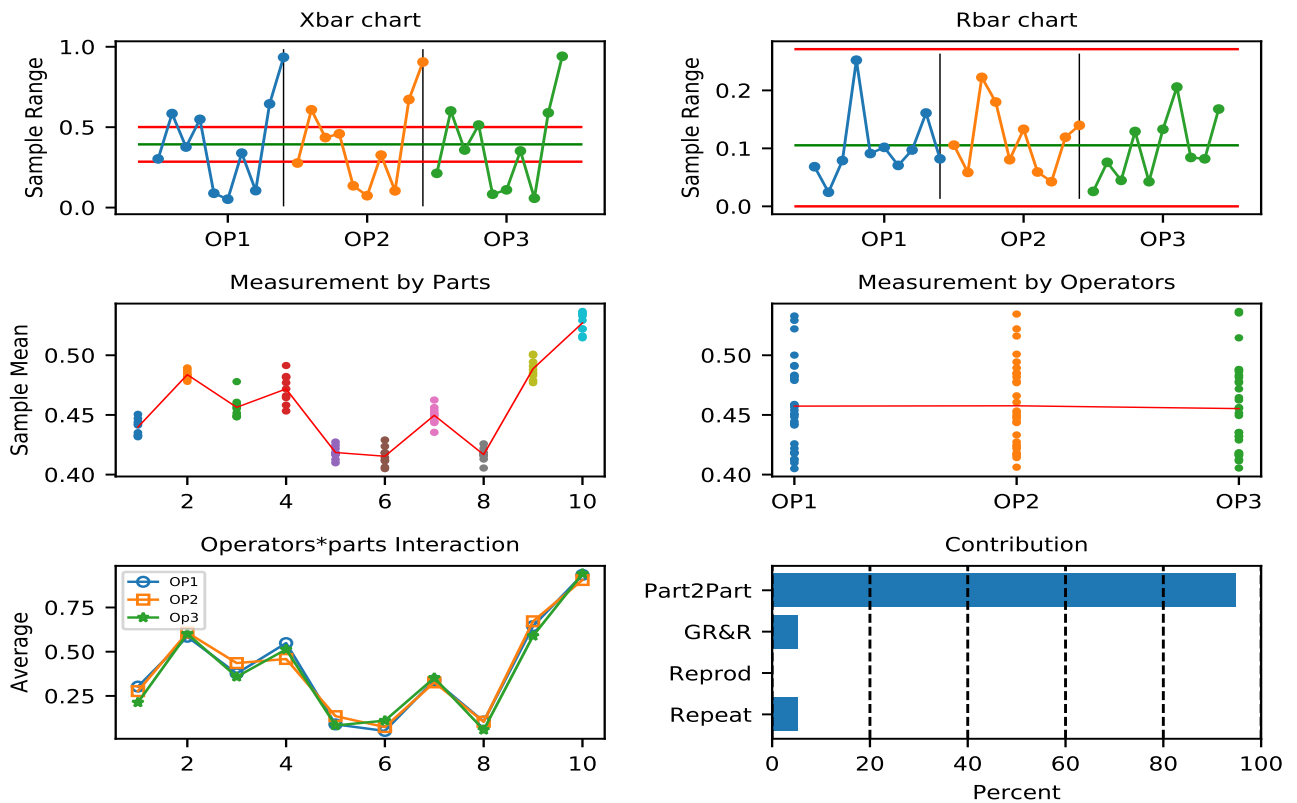
2.11 SFR_55lp_80IH_BR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.014419458666666664	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.014419458666666664	
Part Variation(PV)	0.055844995555555575	
Total Variation(TV)	0.05767654910654529	
Precision/Tolerance Ratio	10.681	

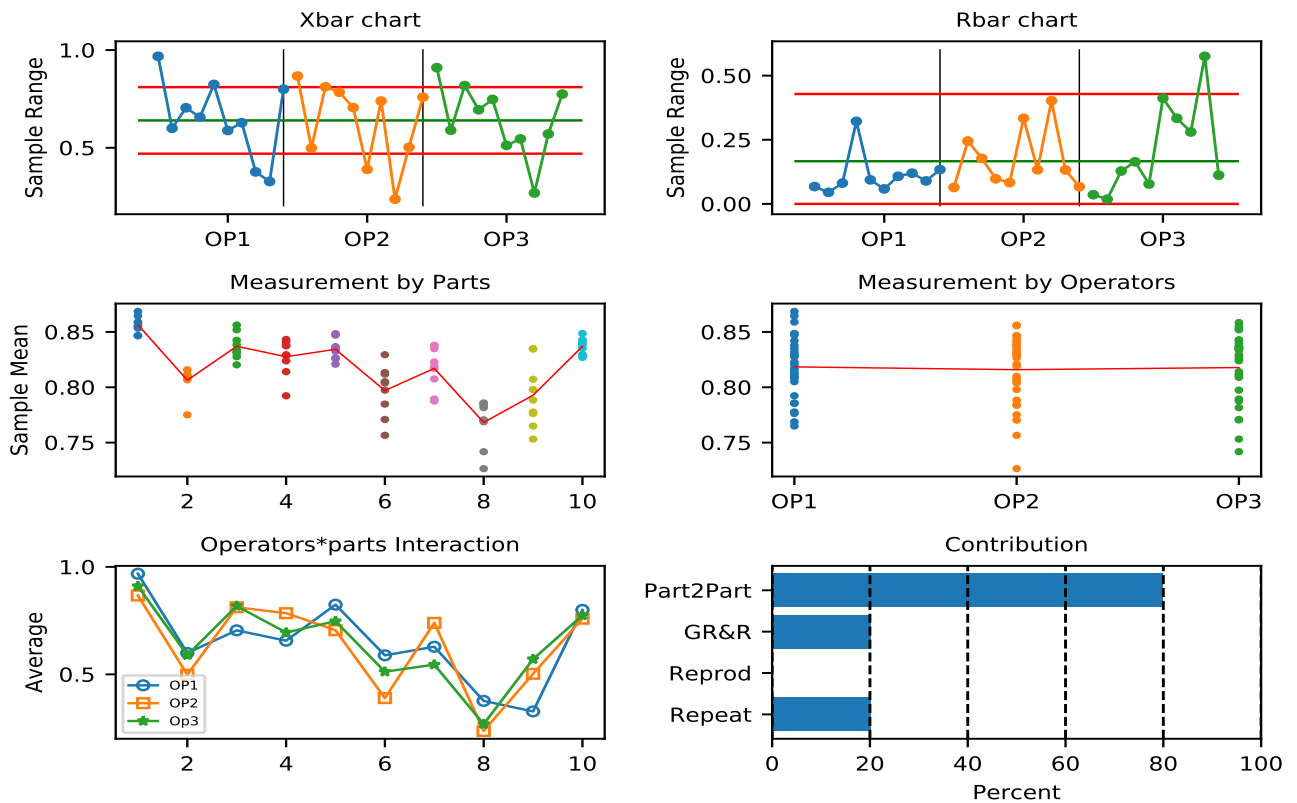
2.12 SFR_55lp_80IH_TL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.008192426666666665	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.008192426666666665	
Part Variation(PV)	0.035137324444444443	
Total Variation(TV)	0.03607973702513453	
Precision/Tolerance Ratio	6.068	

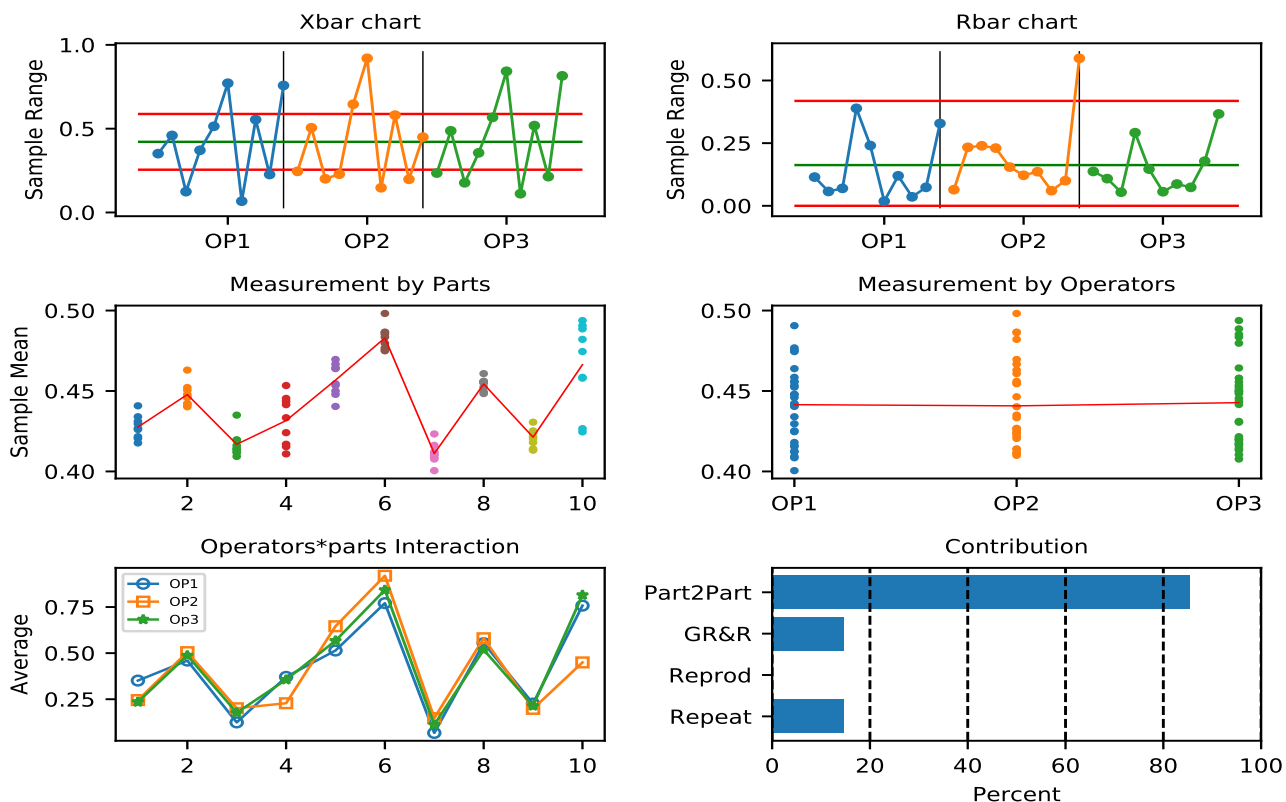
2.13 SFR_55lp_Center_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.69	
Equipment Variation(EV, Repeatability)	0.013958634666666659	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.013958634666666659	
Part Variation(PV)	0.0277442244444444403	
Total Variation(TV)	0.031057776349590366	
Precision/Tolerance Ratio	27.017	

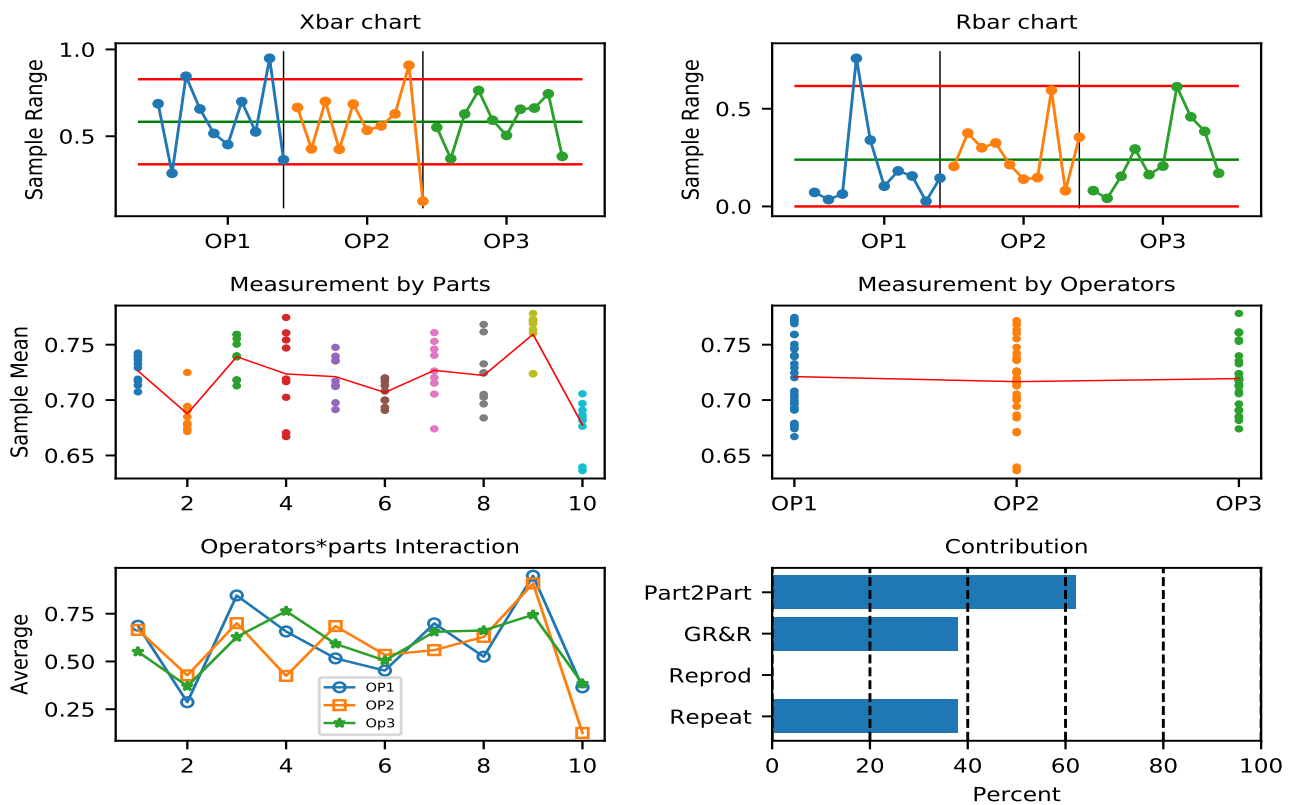
2.14 SFR_55lp_60IH_BL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.009381904000000002	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.009381904000000002	
Part Variation(PV)	0.022609253333333322	
Total Variation(TV)	0.0244785305718309	
Precision/Tolerance Ratio	6.186	

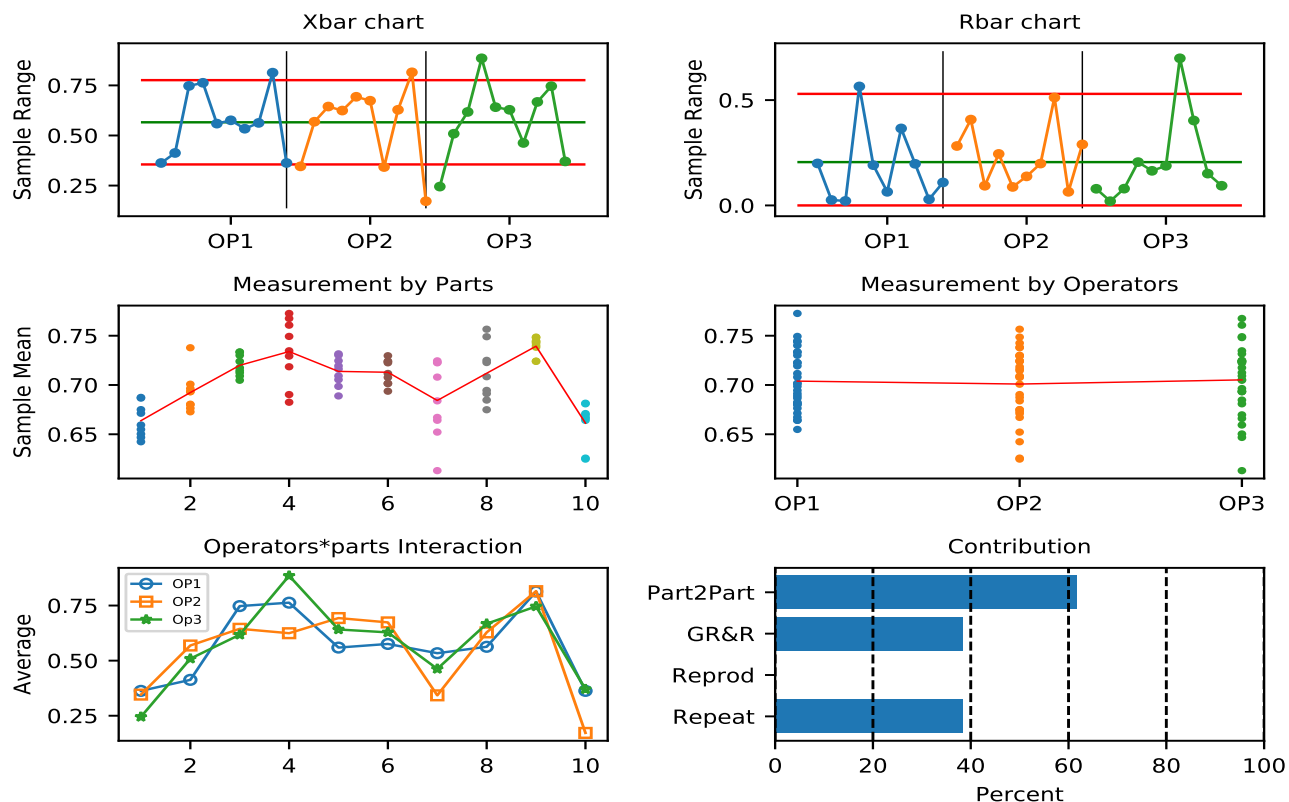
2.15 SFR_55lp_30IH_BR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.020073414666666664	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.020073414666666664	
Part Variation(PV)	0.025706315555555578	
Total Variation(TV)	0.03261528224347824	
Precision/Tolerance Ratio	19.744	

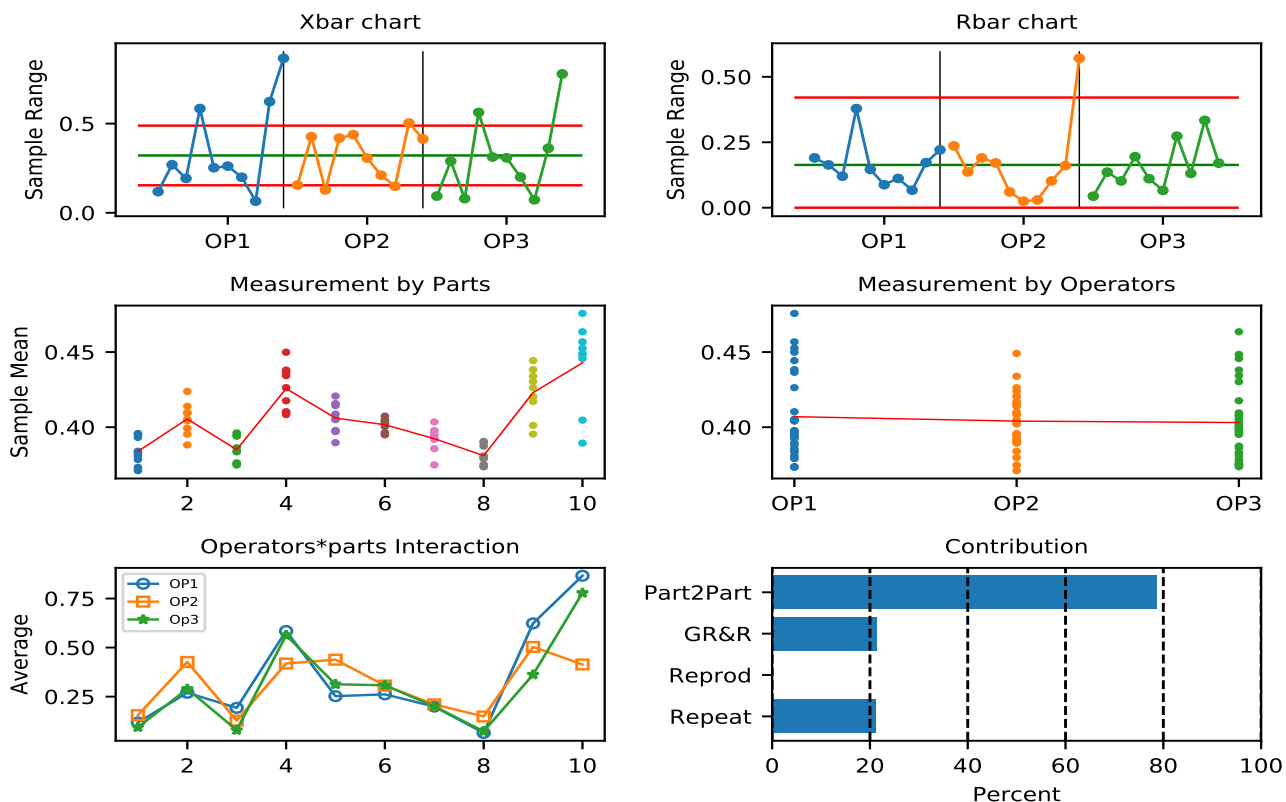
2.16 SFR_55lp_30IH_BR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.01937824	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.01937824	
Part Variation(PV)	0.024580746666666684	
Total Variation(TV)	0.031300627664448605	
Precision/Tolerance Ratio	19.061	

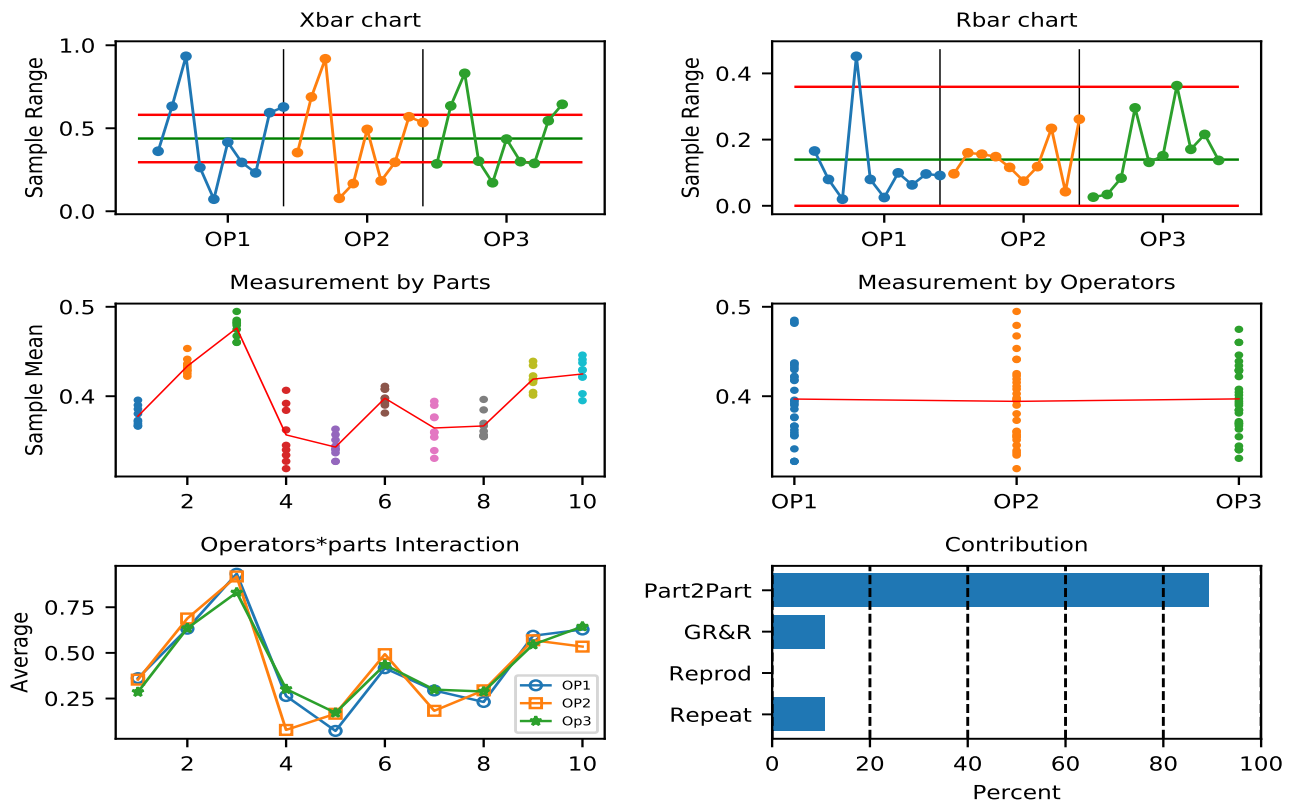
2.17 SFR_55lp_60IH_TL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.0101007106666667	
Appraiser Variation(AV, Reproducibility)	0.0008765117549752135	
GRR	0.010138669973340859	
Part Variation(PV)	0.019435288888888885	
Total Variation(TV)	0.021920836731815035	
Precision/Tolerance Ratio	6.685	

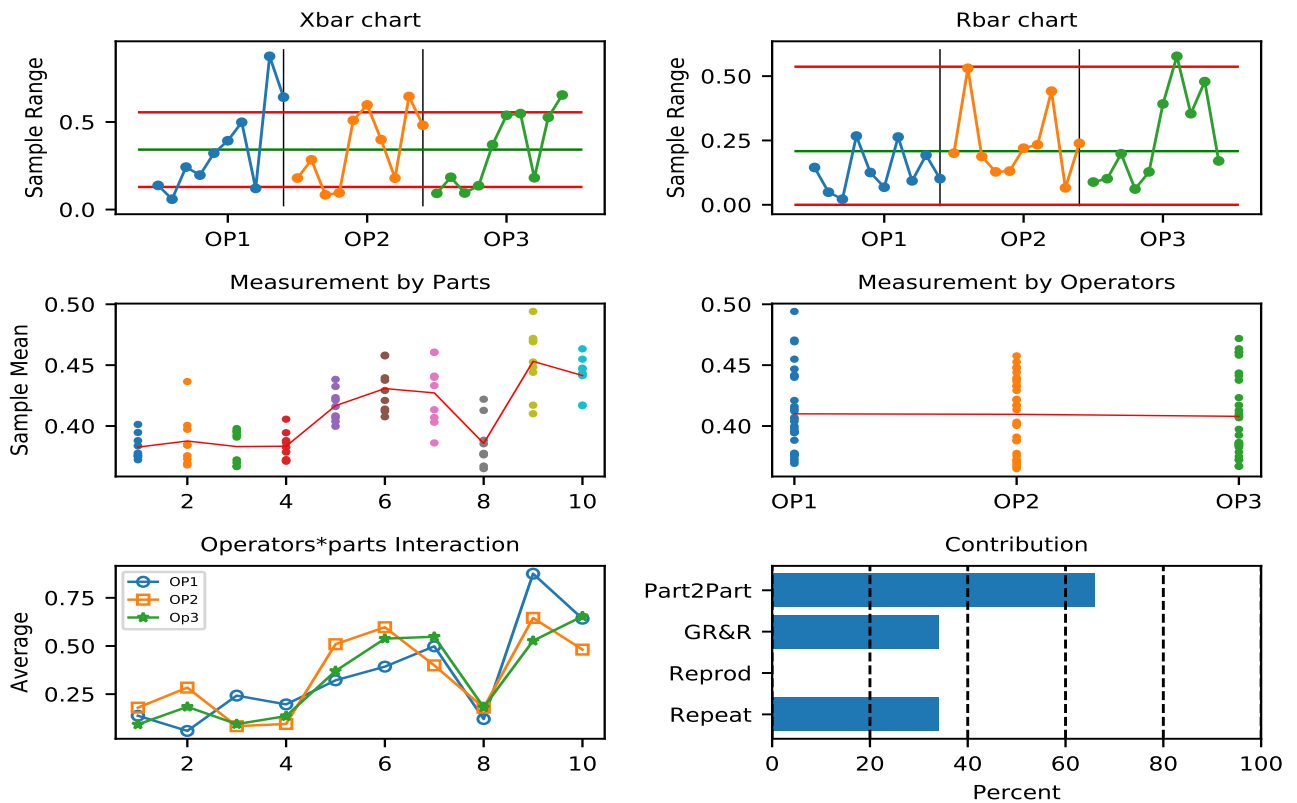
2.18 SFR_55lp_60IH_BR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.014500201333333334	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.014500201333333334	
Part Variation(PV)	0.0418802511111111134	
Total Variation(TV)	0.04431942318935262	
Precision/Tolerance Ratio	9.561	

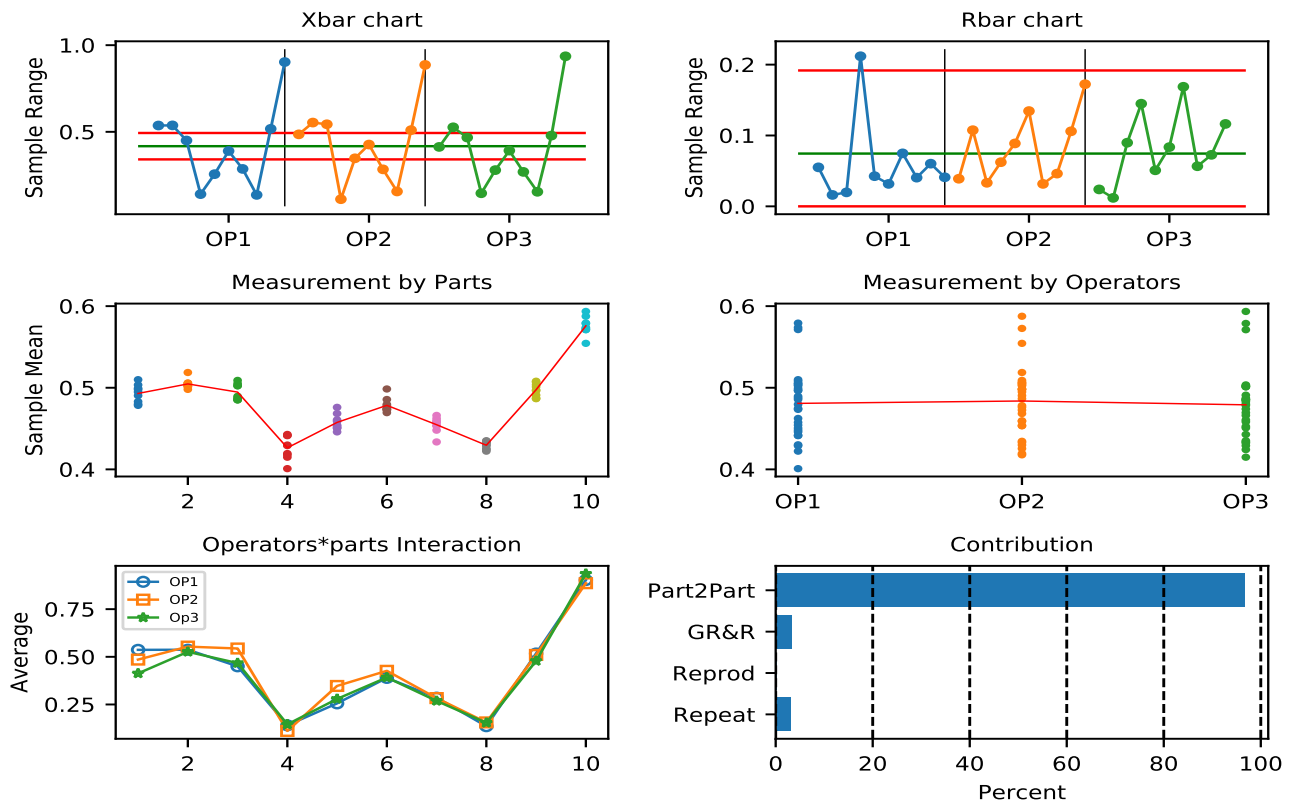
2.19 SFR_55lp_60IH_TR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.015896458666666665	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.015896458666666665	
Part Variation(PV)	0.022165317777777776	
Total Variation(TV)	0.02727633975318009	
Precision/Tolerance Ratio	10.481	

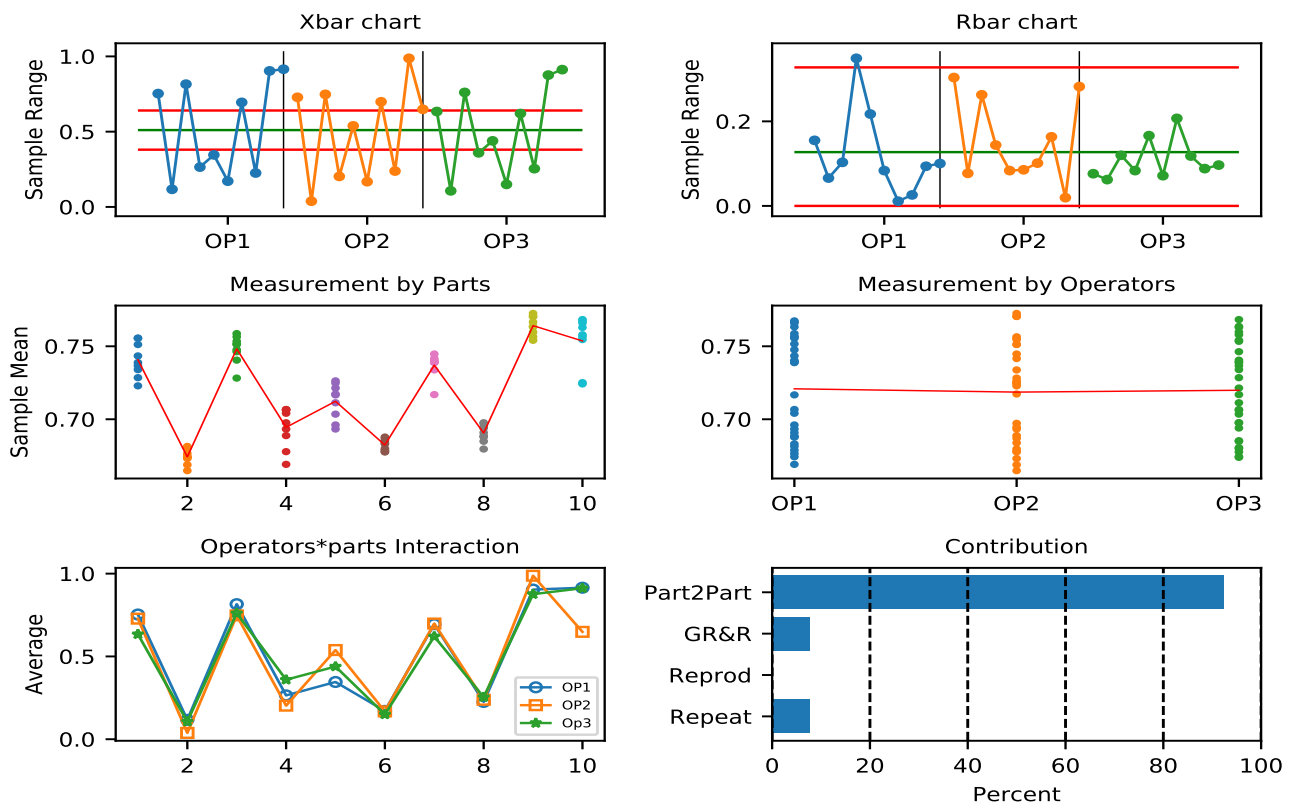
2.20 SFR_55lp_80IH_BL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.008474041333333338	
Appraiser Variation(AV, Reproducibility)	0.0019040027218870871	
GRR	0.008685309602080705	
Part Variation(PV)	0.047004735555555557	
Total Variation(TV)	0.04780041597655512	
Precision/Tolerance Ratio	6.434	

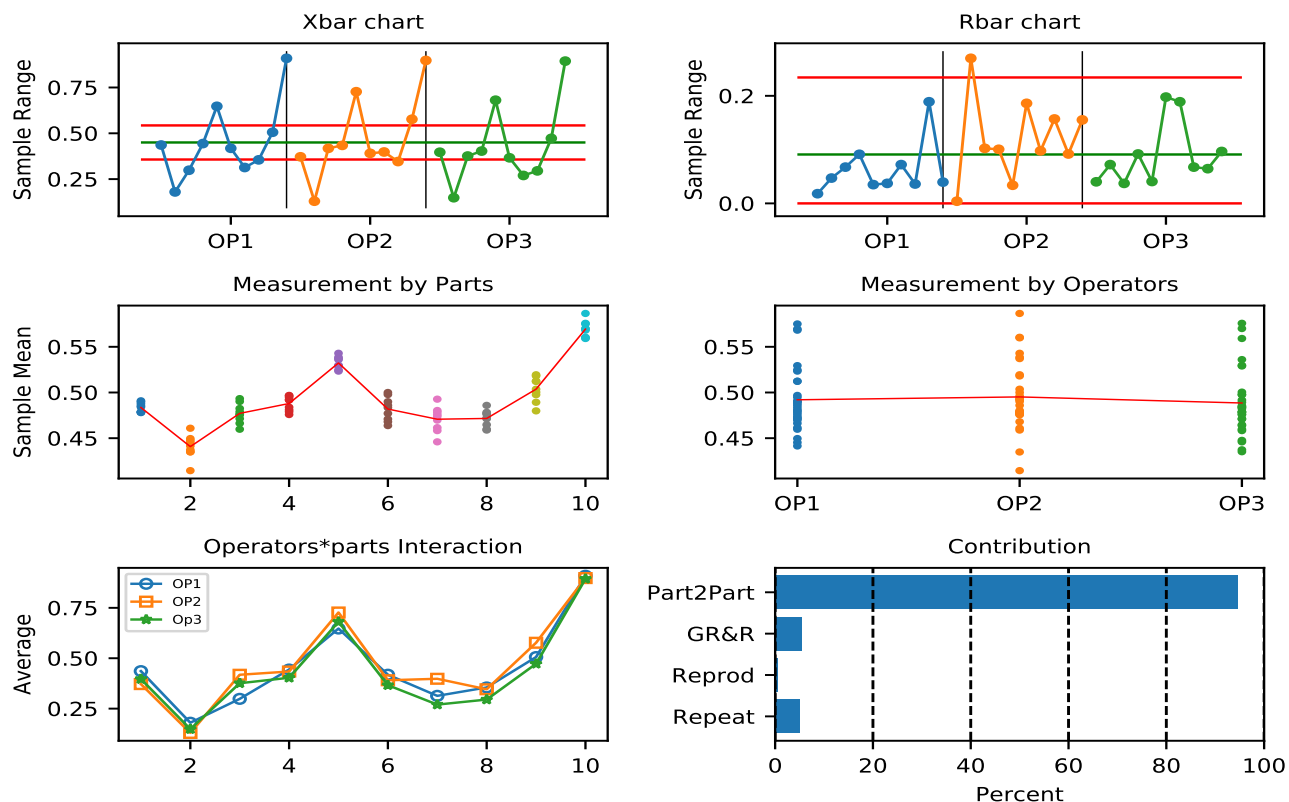
2.21 SFR_55lp_30IH_BL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.008095929333333333	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.008095929333333333	
Part Variation(PV)	0.028293026666666666	
Total Variation(TV)	0.029428547869900713	
Precision/Tolerance Ratio	7.963	

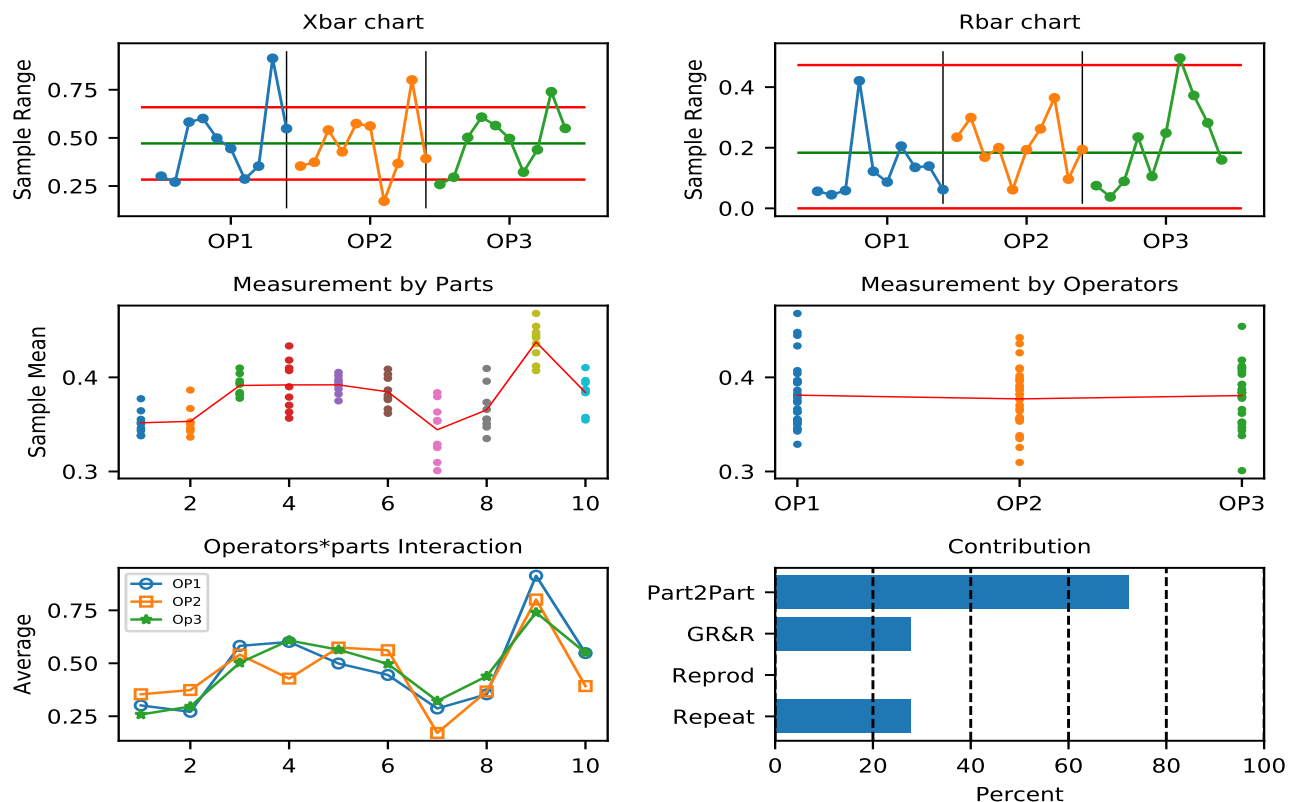
2.22 SFR_55lp_80IH_BL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.19	
Equipment Variation(EV, Repeatability)	0.009240111999999998	
Appraiser Variation(AV, Reproducibility)	0.0030441595648426642	
GRR	0.009728647245571558	
Part Variation(PV)	0.040457560000000003	
Total Variation(TV)	0.041610824774118205	
Precision/Tolerance Ratio	7.206	

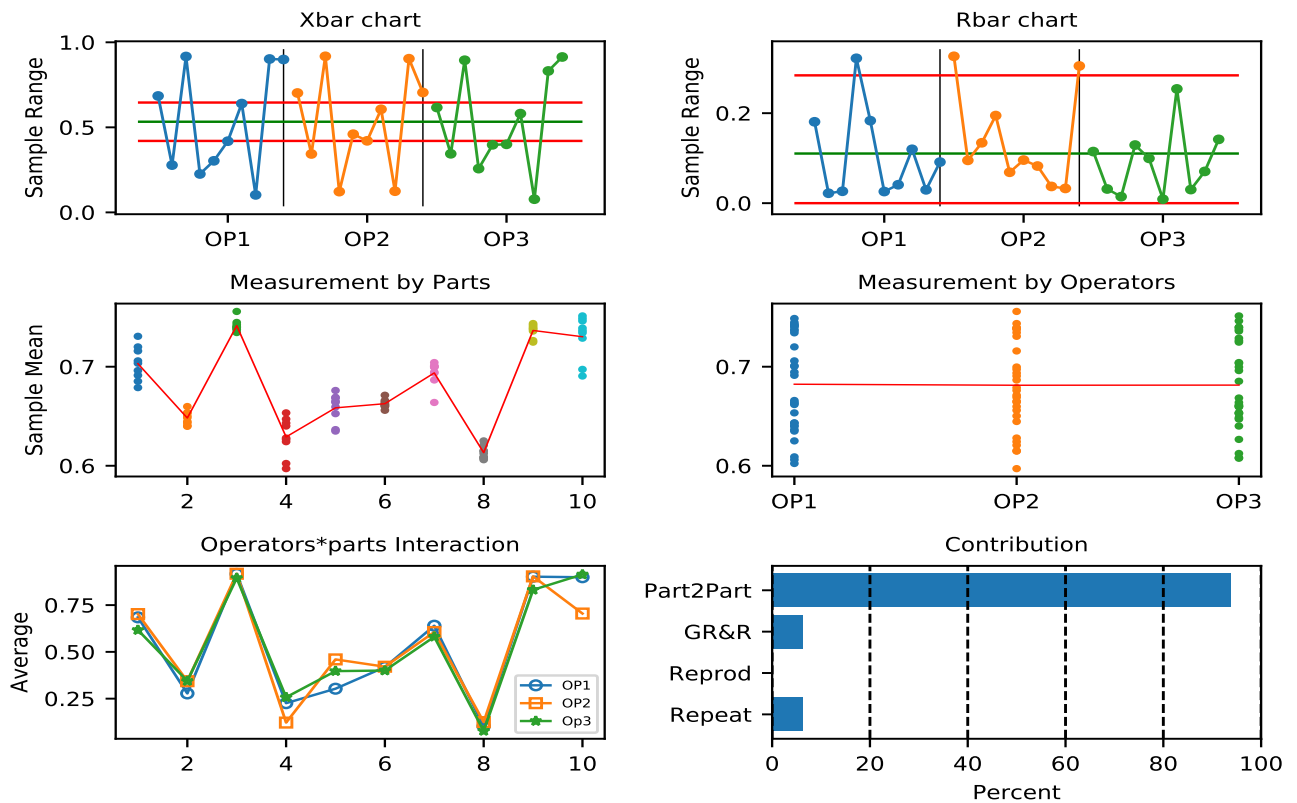
2.23 SFR_55lp_60IH_TR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.018115897333333332	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.018115897333333332	
Part Variation(PV)	0.029317224444444442	
Total Variation(TV)	0.034462811628156564	
Precision/Tolerance Ratio	11.945	

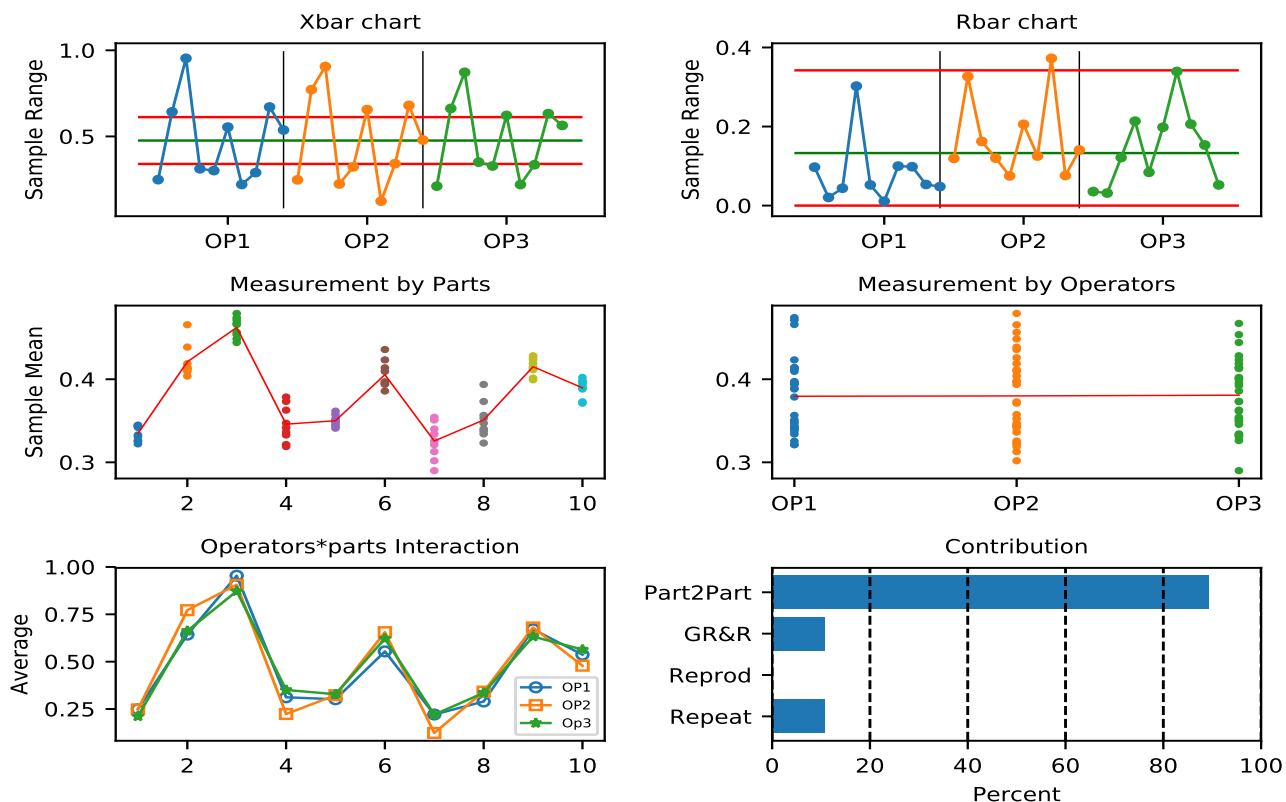
2.24 SFR_55lp_30IH_BL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.39	
Equipment Variation(EV, Repeatability)	0.0103429386666667	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.0103429386666667	
Part Variation(PV)	0.0403422066666667	
Total Variation(TV)	0.041646968905293395	
Precision/Tolerance Ratio	10.173	

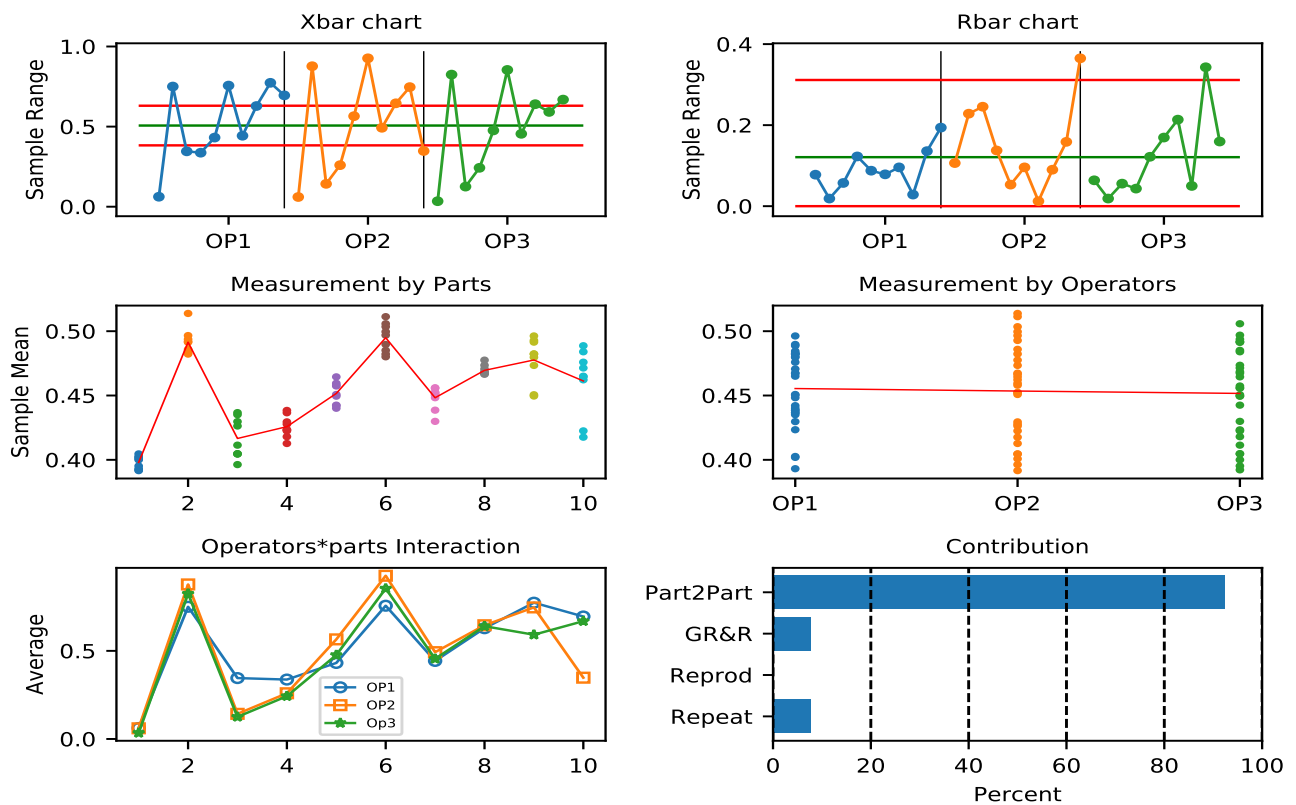
2.25 SFR_55lp_60IH_BR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.014852712000000006	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.014852712000000006	
Part Variation(PV)	0.04298834222222224	
Total Variation(TV)	0.045481871341995585	
Precision/Tolerance Ratio	9.793	

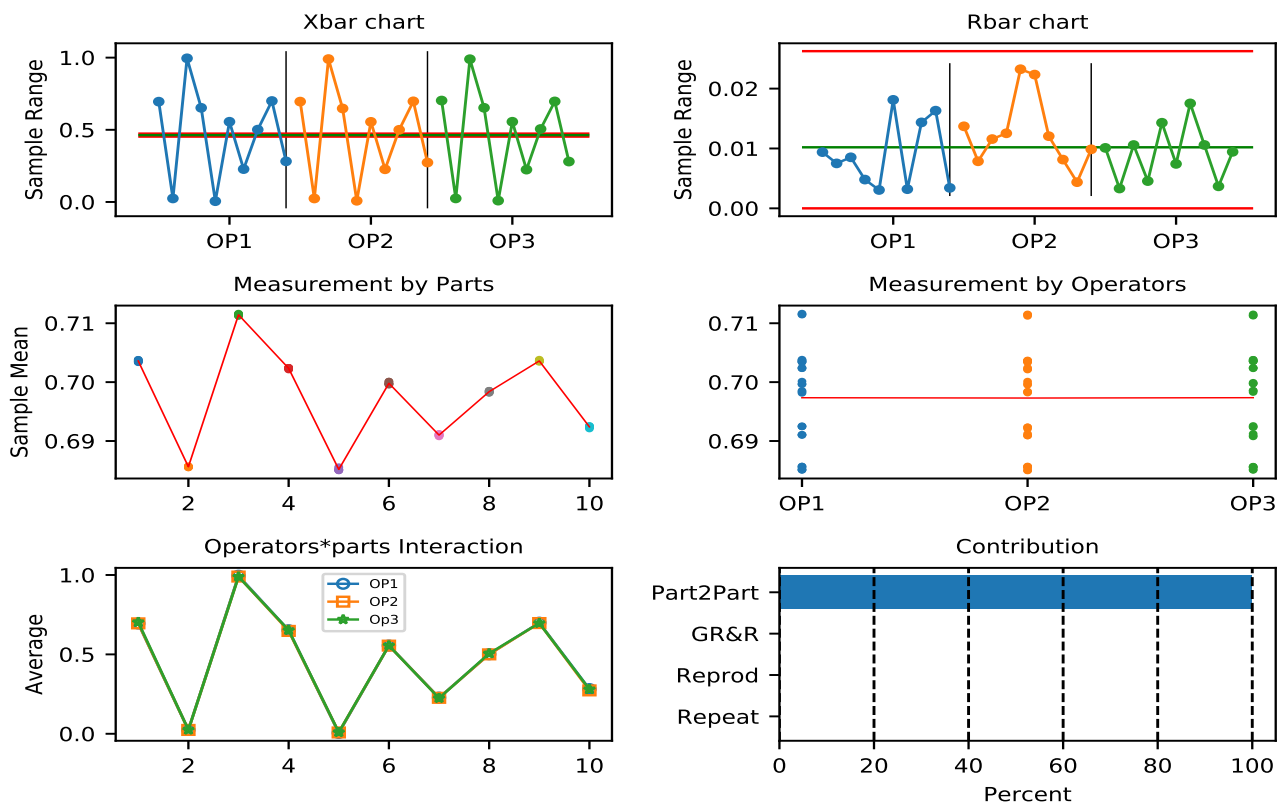
2.26 SFR_55lp_60IH_TL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.09	
Equipment Variation(EV, Repeatability)	0.008732024000000001	
Appraiser Variation(AV, Reproducibility)	0.0011785128055513926	
GRR	0.008811193765286555	
Part Variation(PV)	0.030488235555555573	
Total Variation(TV)	0.03173593614280927	
Precision/Tolerance Ratio	5.81	

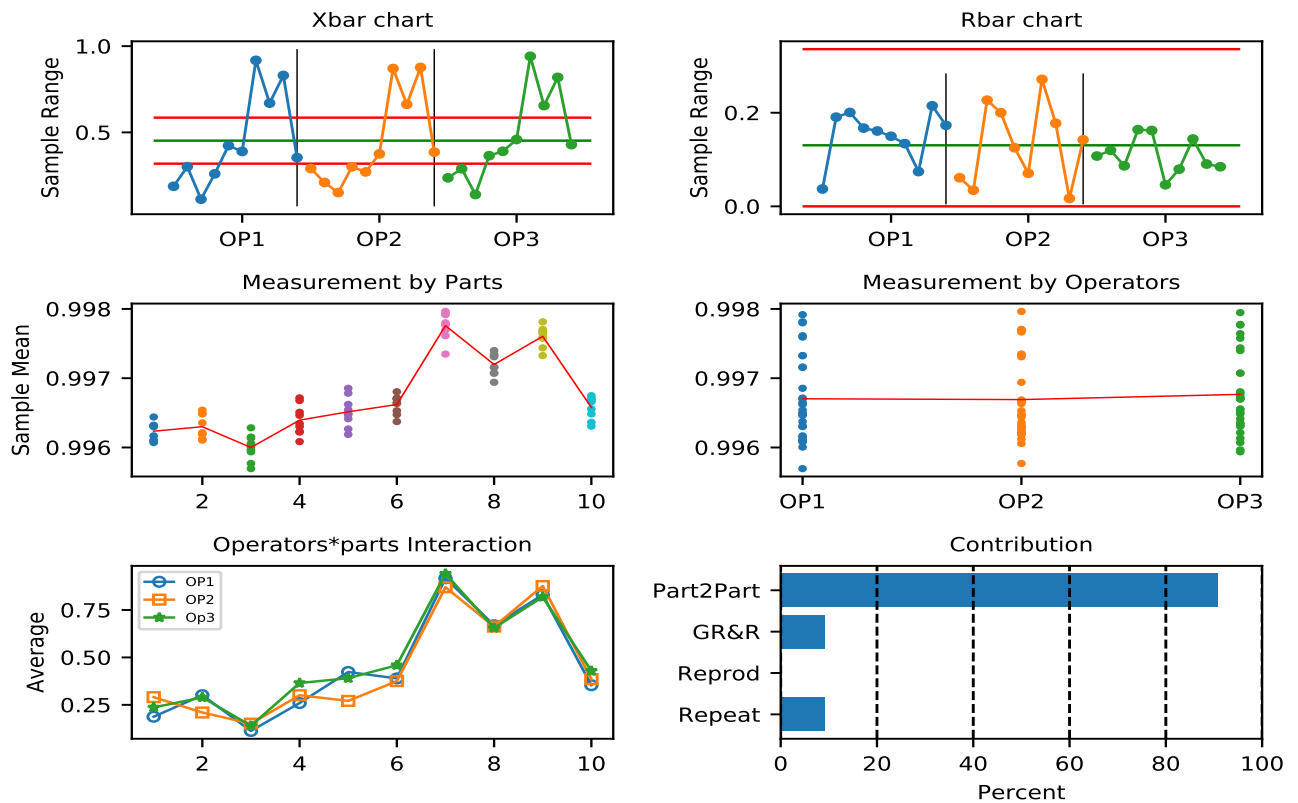
2.27 color_r_g_ratio



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	0.84	
lower limit(LSL)	0.62	
Equipment Variation(EV, Repeatability)	0.00016081271994013556	
Appraiser Variation(AV, Reproducibility)	1.162370240752874e-05	
GRR	0.00016123225903088767	
Part Variation(PV)	0.008262964875104596	
Total Variation(TV)	0.00826453775891698	
Precision/Tolerance Ratio	0.44	

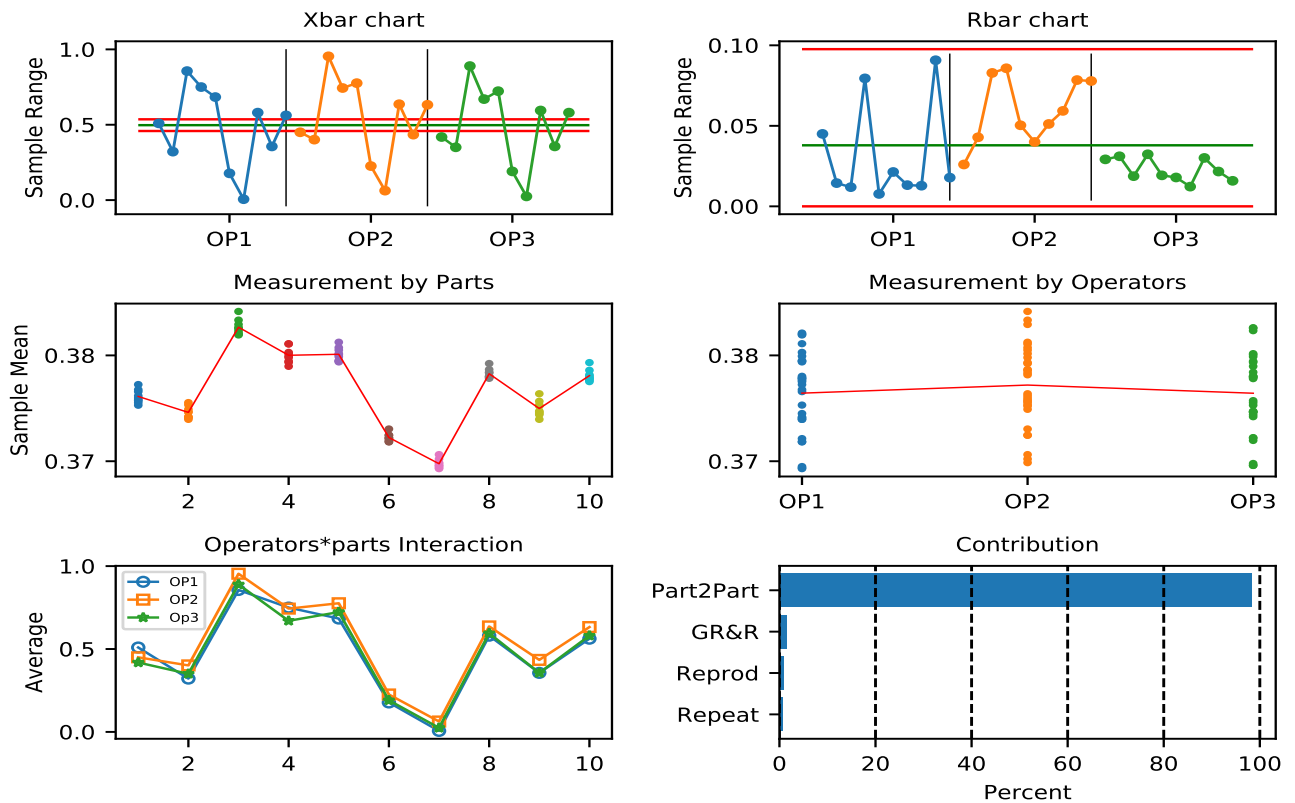
2.28 color_gr_gb_ratio



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.07	
lower limit(LSL)	0.93	
Equipment Variation(EV, Repeatability)	0.0001748632997867543	
Appraiser Variation(AV, Reproducibility)	2.3050946196982613e-05	
GRR	0.0001763760747178837	
Part Variation(PV)	0.0005533170081264102	
Total Variation(TV)	0.0005807479928633851	
Precision/Tolerance Ratio	0.756	

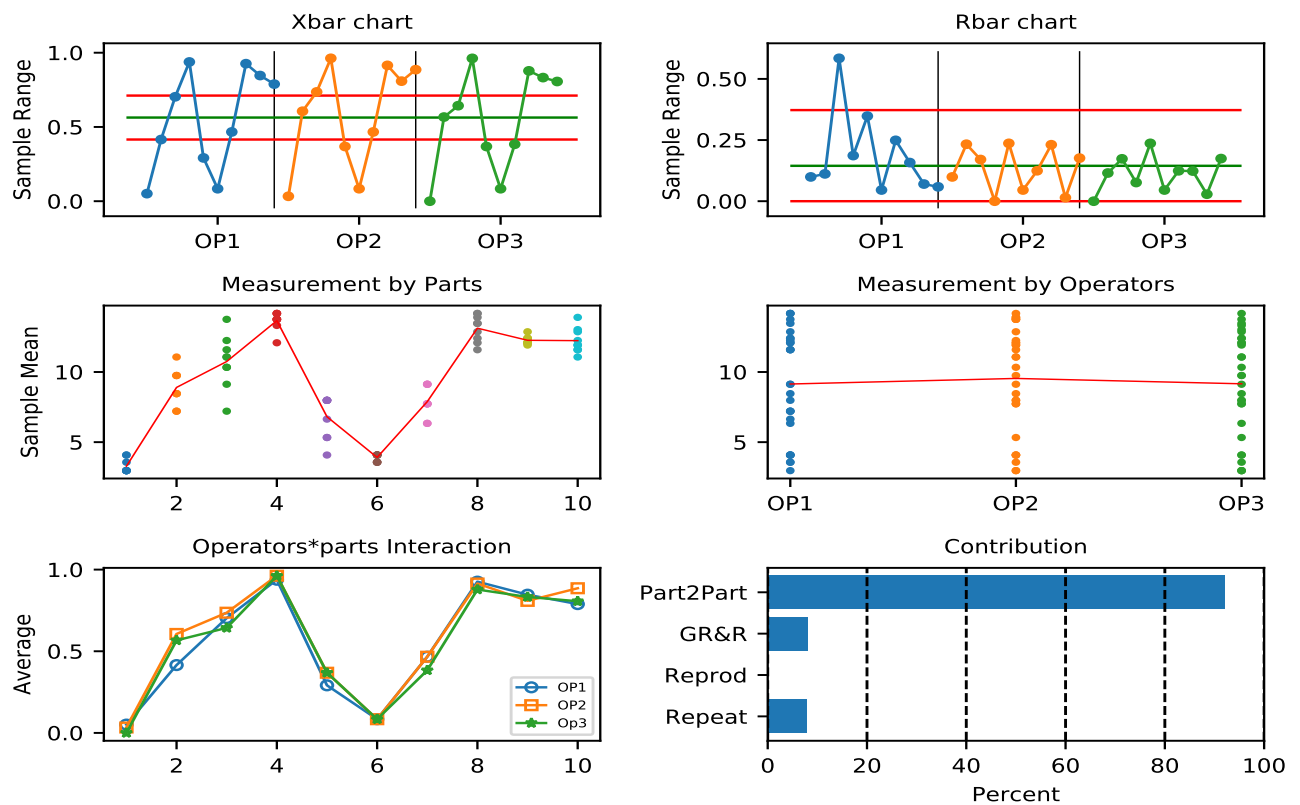
2.29 color_b_g_ratio



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	0.44	
lower limit(LSL)	0.28	
Equipment Variation(EV, Repeatability)	0.0003326182220158027	
Appraiser Variation(AV, Reproducibility)	0.00039861397256251	
GRR	0.000519160842840655	
Part Variation(PV)	0.004058506652673464	
Total Variation(TV)	0.0040915772301807745	
Precision/Tolerance Ratio	1.947	

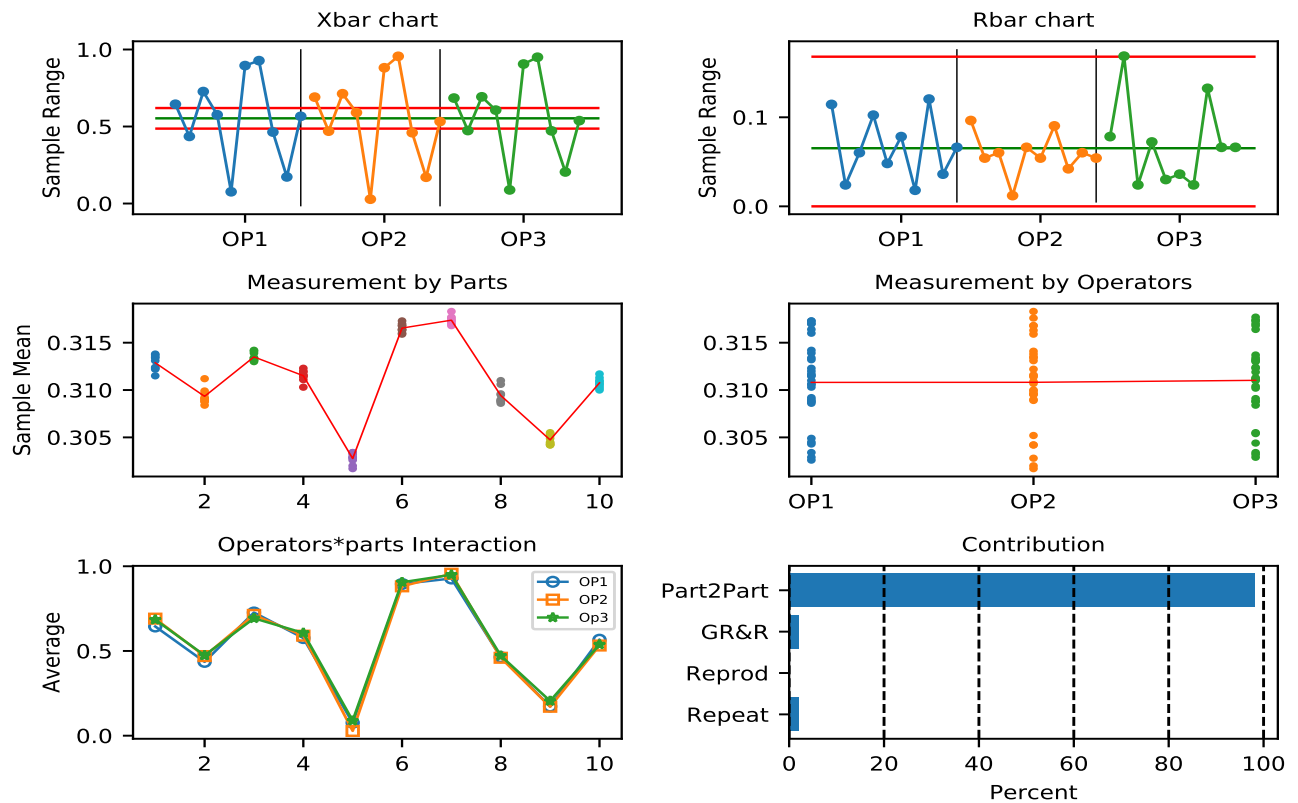
2.30 OC_shift_r_um



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	66.0	
lower limit(LSL)	0.0	
Equipment Variation(EV, Repeatability)	0.9575528853333334	
Appraiser Variation(AV, Reproducibility)	0.11272876713858401	
GRR	0.9641655994437766	
Part Variation(PV)	3.2642791133333333	
Total Variation(TV)	3.4036940862678935	
Precision/Tolerance Ratio	8.765	

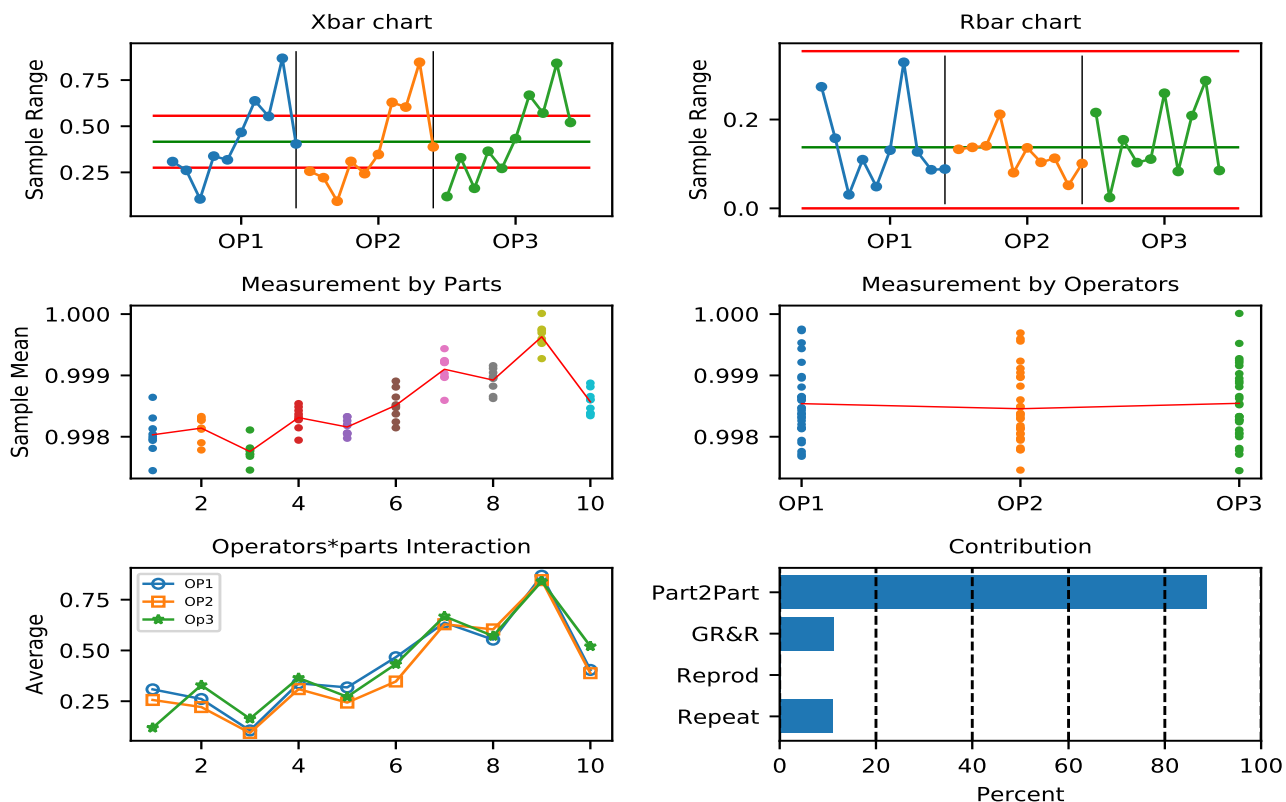
2.31 RI



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.23	
Equipment Variation(EV, Repeatability)	0.00064003333333333328	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.00064003333333333328	
Part Variation(PV)	0.004596655555555555615	
Total Variation(TV)	0.0046410004270844	
Precision/Tolerance Ratio	0.499	

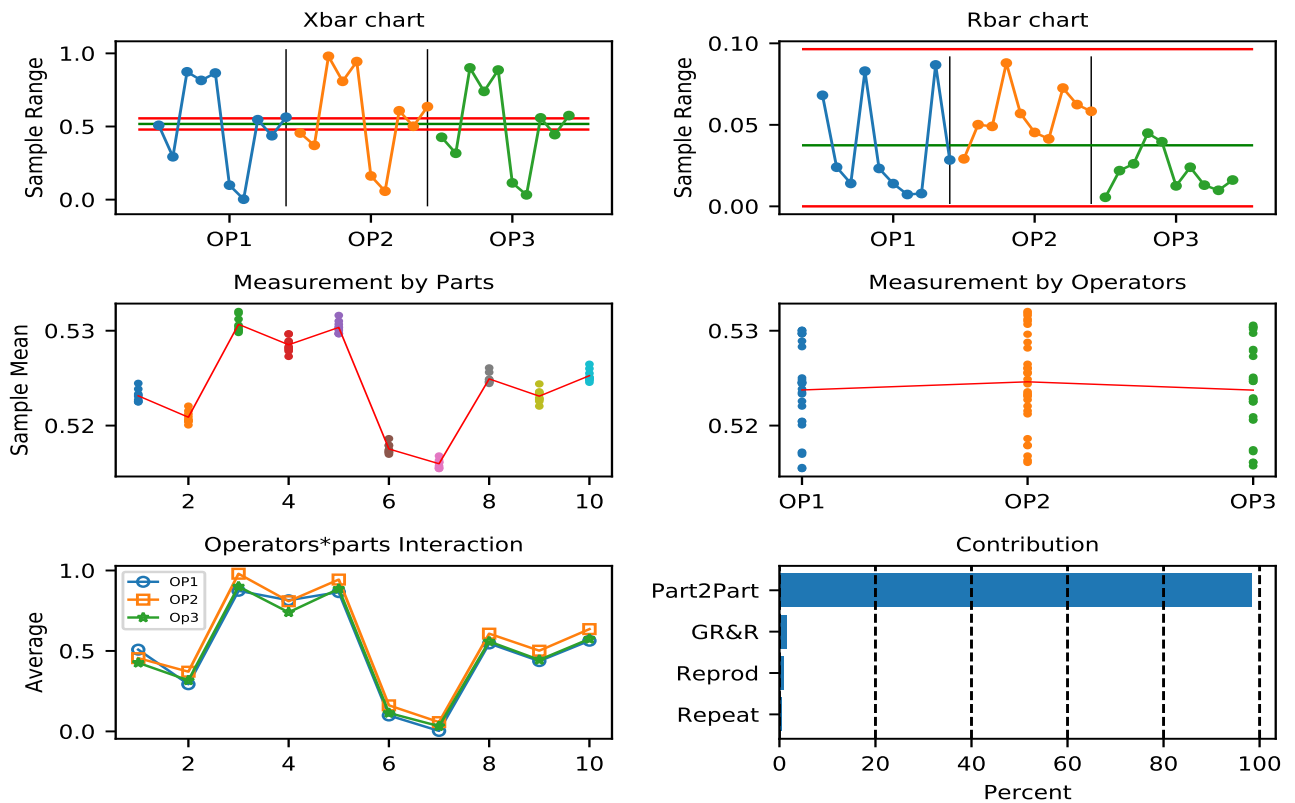
2.32 color_gr_gb_ratio



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.07	
lower limit(LSL)	0.93	
Equipment Variation(EV, Repeatability)	0.0002081741909709546	
Appraiser Variation(AV, Reproducibility)	2.5983677374376356e-05	
GRR	0.00020978952613585634	
Part Variation(PV)	0.0005889886534404108	
Total Variation(TV)	0.0006252353790036641	
Precision/Tolerance Ratio	0.899	

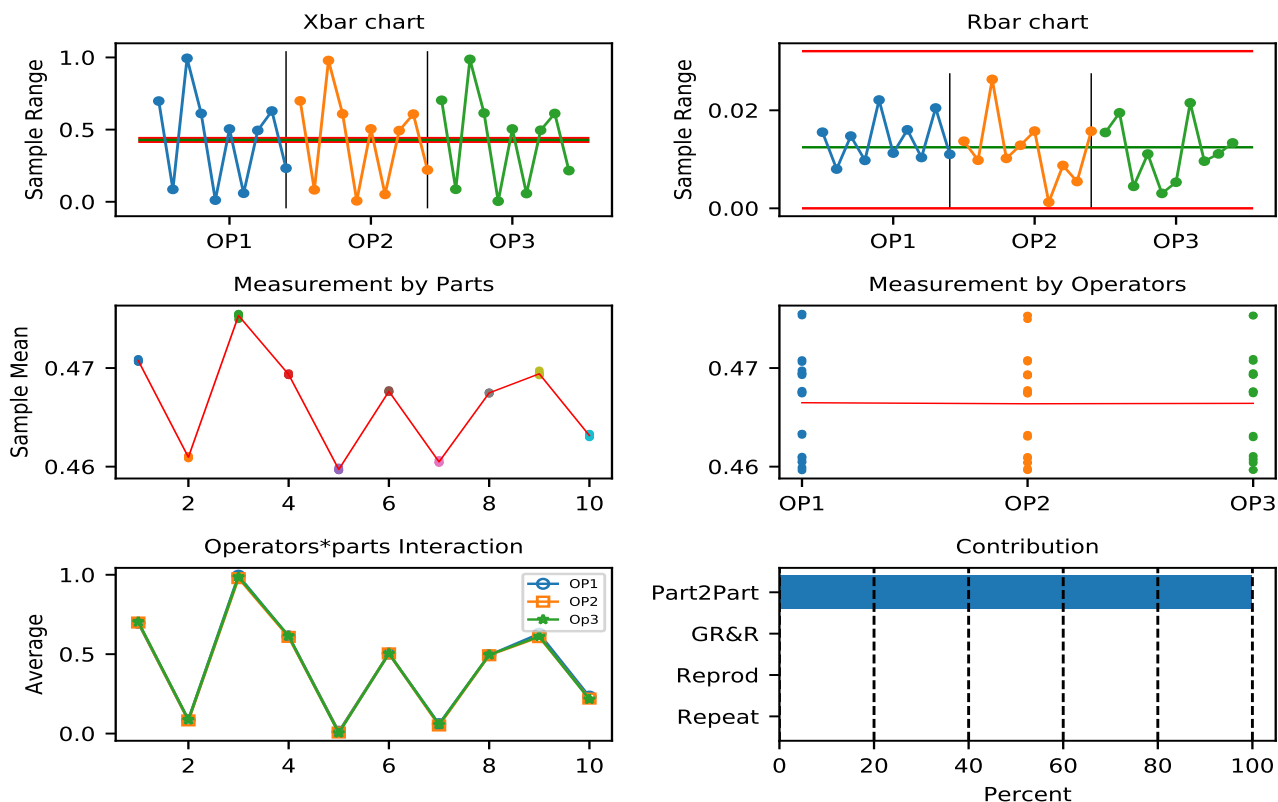
2.33 color_b_g_ratio



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	0.65	
lower limit(LSL)	0.4	
Equipment Variation(EV, Repeatability)	0.00036661095735086564	
Appraiser Variation(AV, Reproducibility)	0.00045284592262717513	
GRR	0.0005826431357956393	
Part Variation(PV)	0.004624088331732737	
Total Variation(TV)	0.004660650804700629	
Precision/Tolerance Ratio	1.398	

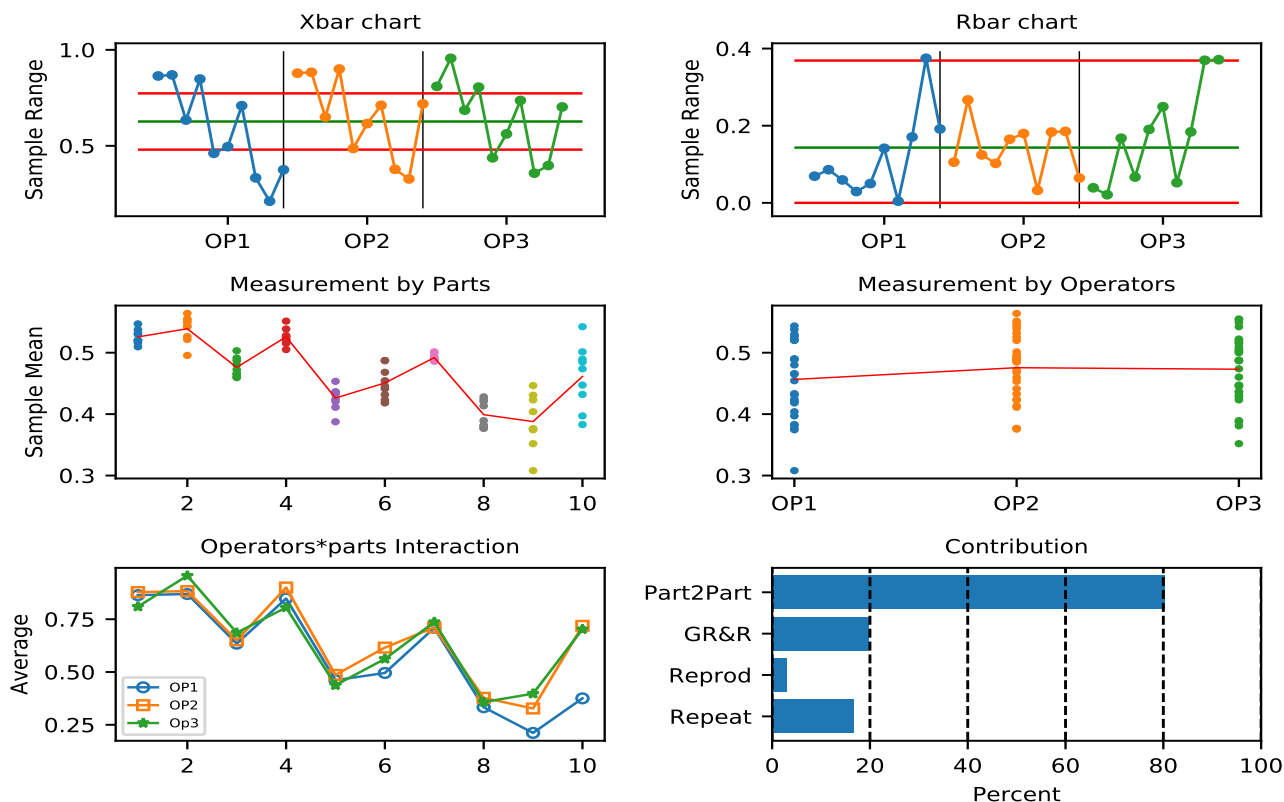
2.34 color_r_g_ratio



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	0.65	
lower limit(LSL)	0.4	
Equipment Variation(EV, Repeatability)	0.00011729967487372914	
Appraiser Variation(AV, Reproducibility)	5.172522931271143e-05	
GRR	0.00012819794488577087	
Part Variation(PV)	0.004910031047343645	
Total Variation(TV)	0.004911704347673165	
Precision/Tolerance Ratio	0.308	

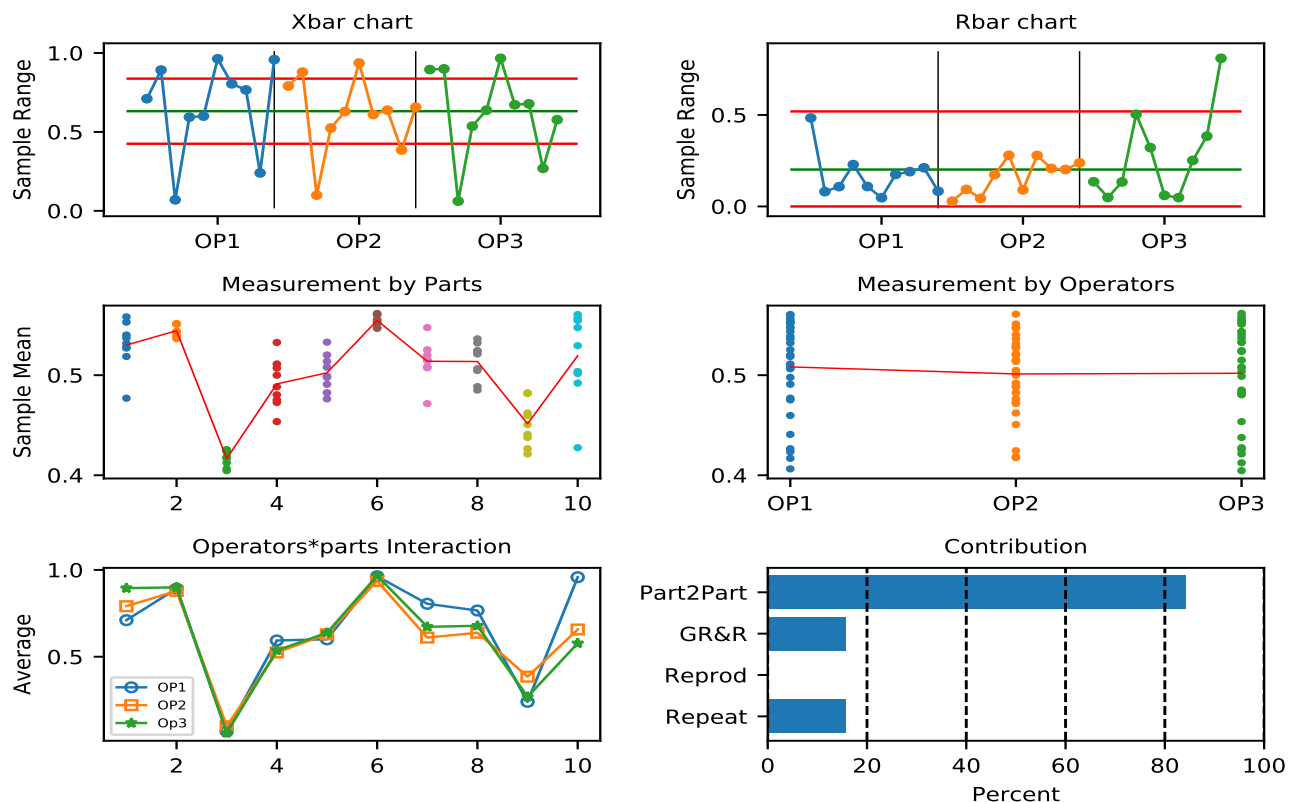
2.35 SFR_110lp_60IH_TL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.021658728000000002	
Appraiser Variation(AV, Reproducibility)	0.00918107561130763	
GRR	0.023524299096009893	
Part Variation(PV)	0.047553537777777775	
Total Variation(TV)	0.0530540441732868	
Precision/Tolerance Ratio	20.164	

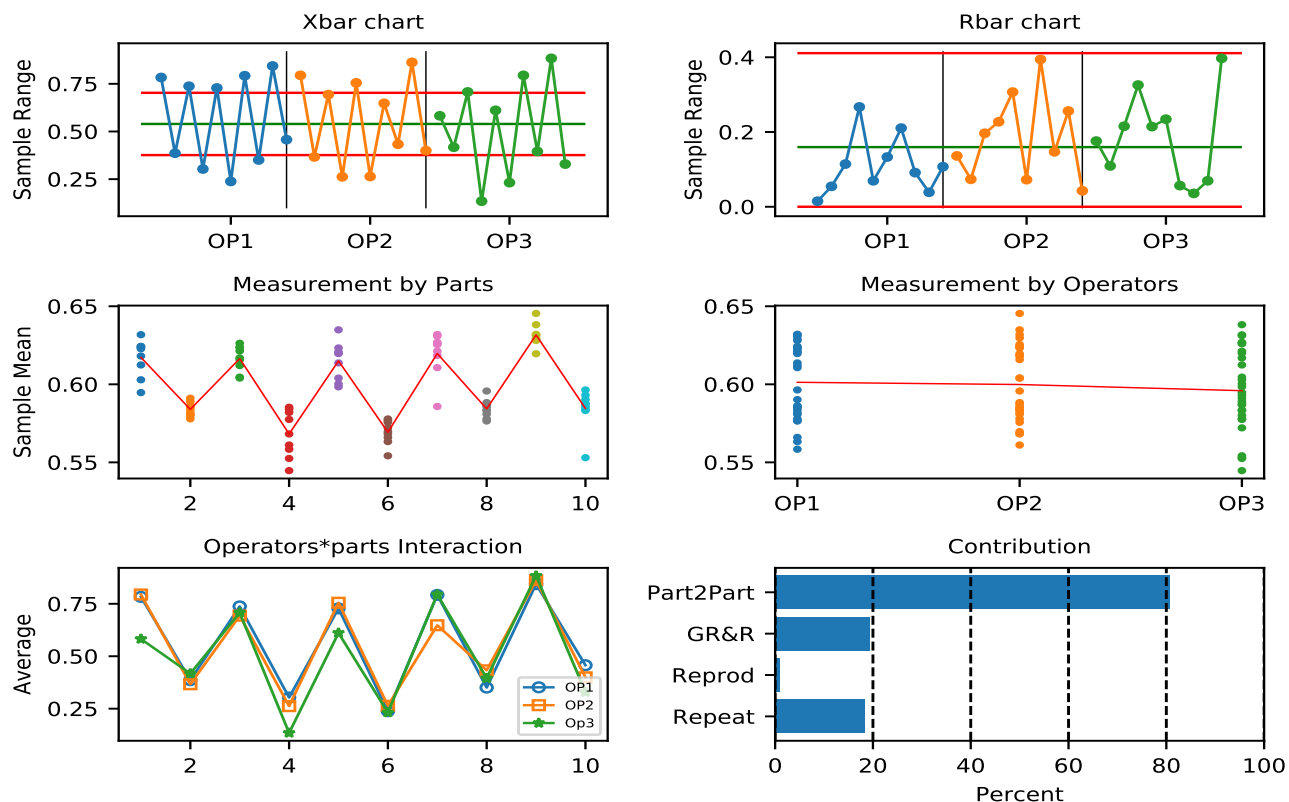
2.36 SFR_110lp_60IH_BR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.0187165439999999	
Appraiser Variation(AV, Reproducibility)	0.0013960805534523294	
GRR	0.018768539107124546	
Part Variation(PV)	0.0434392688888889	
Total Variation(TV)	0.047320483321885626	
Precision/Tolerance Ratio	16.087	

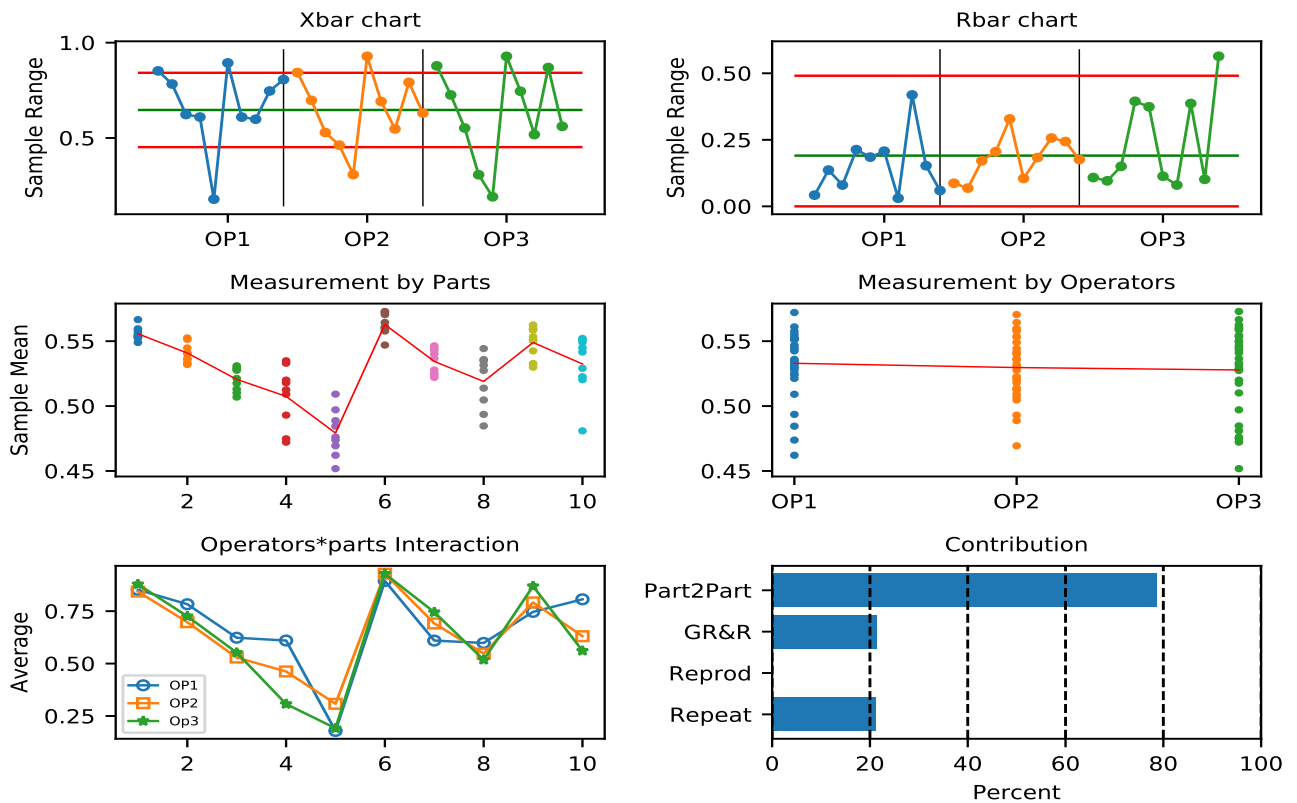
2.37 SFR_110lp_30IH_BL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.009496125333333336	
Appraiser Variation(AV, Reproducibility)	0.0022101731086040417	
GRR	0.009749936487812196	
Part Variation(PV)	0.019963117777777827	
Total Variation(TV)	0.022216825446624924	
Precision/Tolerance Ratio	9.0	

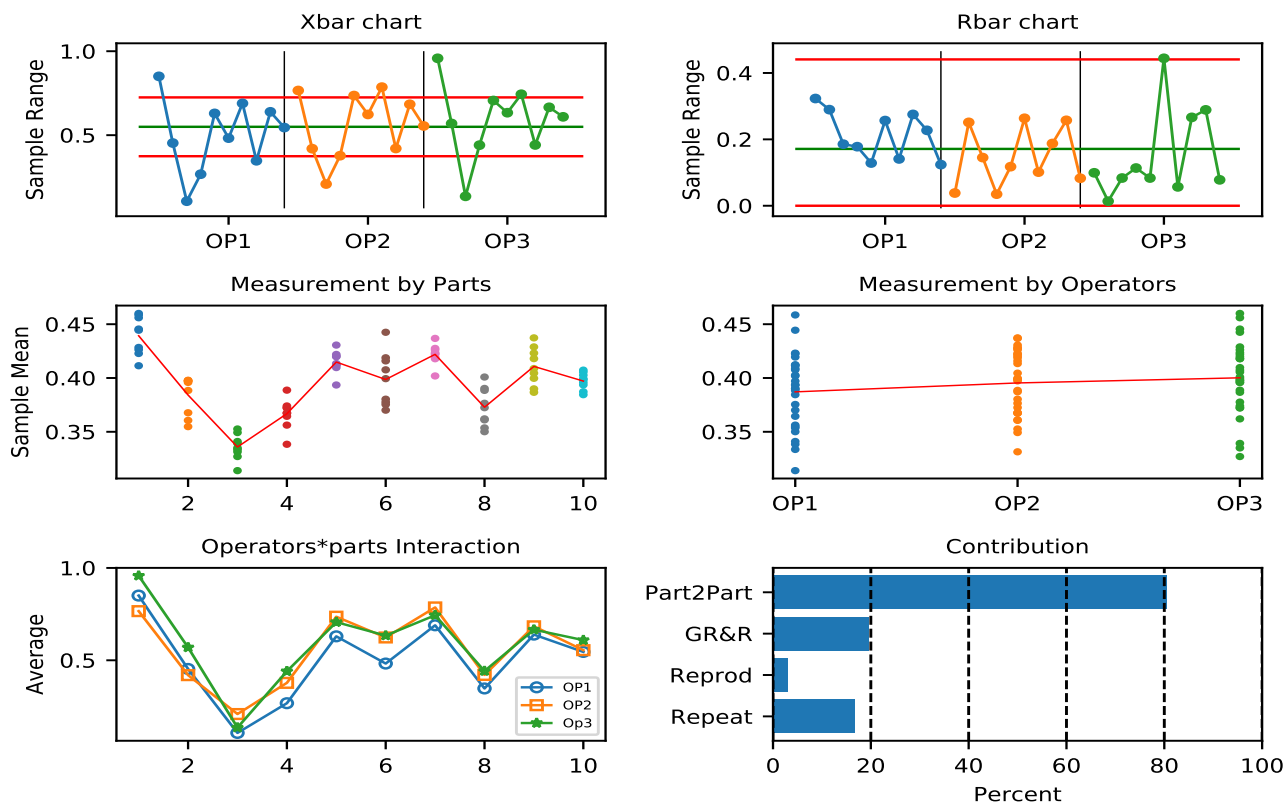
2.38 SFR_110lp_60IH_TR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.0136376333333333	
Appraiser Variation(AV, Reproducibility)	0.0010331233151923203	
GRR	0.013676709645190192	
Part Variation(PV)	0.0263075511111111	
Total Variation(TV)	0.029650288905549695	
Precision/Tolerance Ratio	11.723	

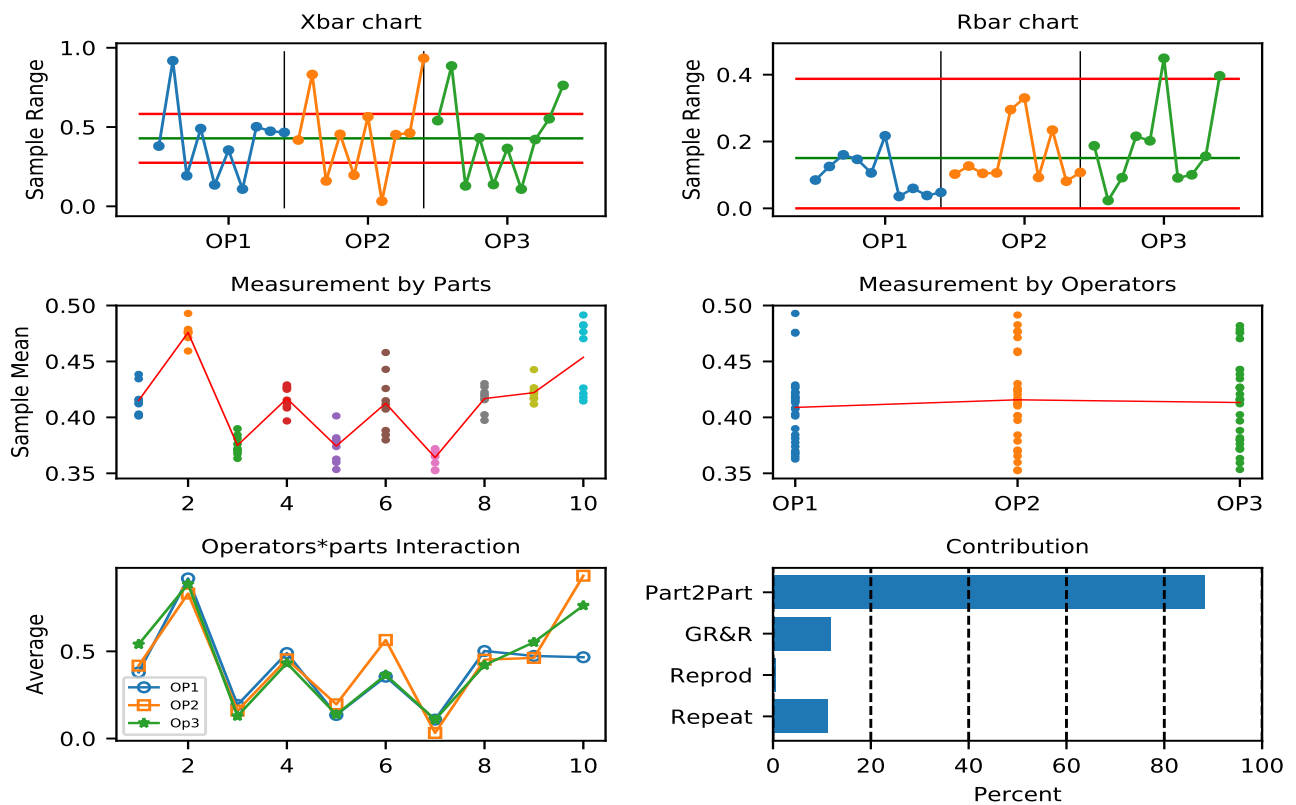
2.39 SFR_110lp_80IH_BL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.0147778773333333	
Appraiser Variation(AV, Reproducibility)	0.006274439443277556	
GRR	0.016054726681149205	
Part Variation(PV)	0.0325226488888888	
Total Variation(TV)	0.036269504264000475	
Precision/Tolerance Ratio	11.747	

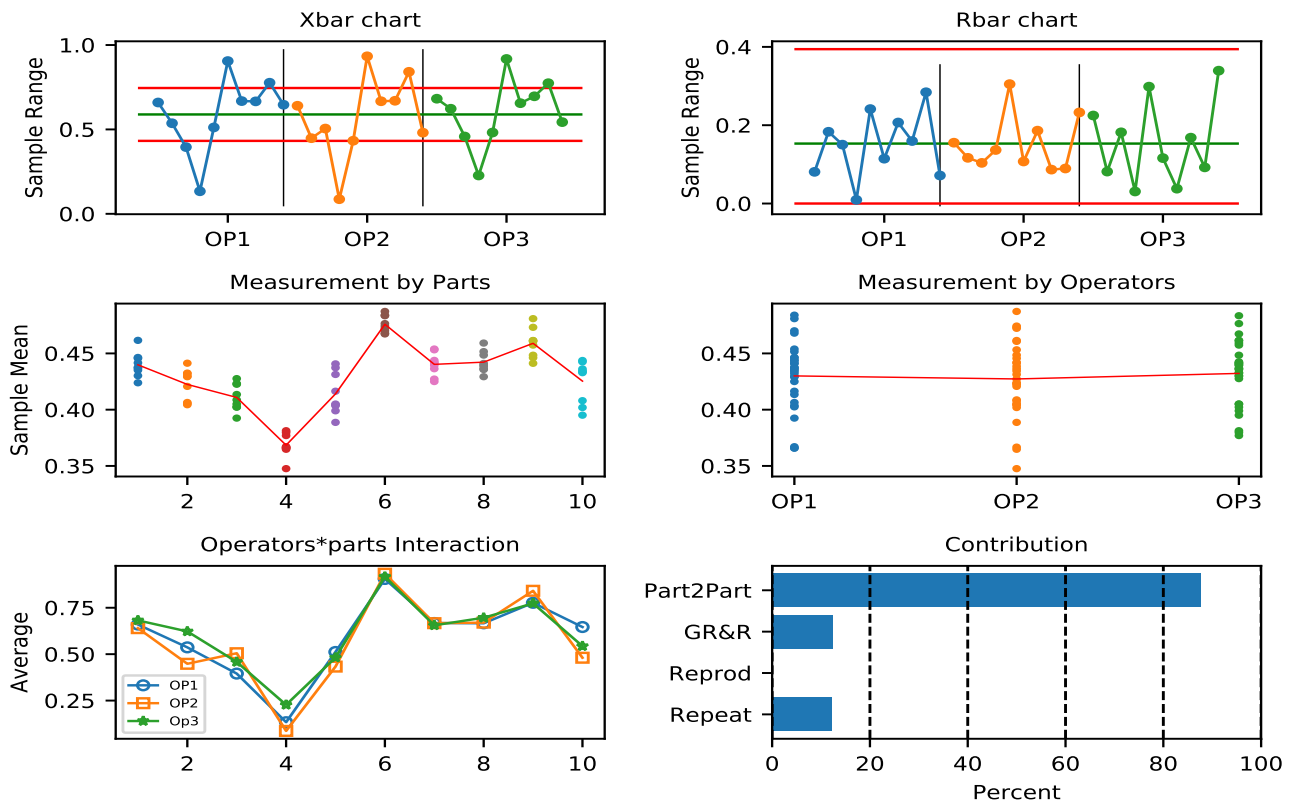
2.40 SFR_110lp_80IH_TR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.012493450666666664	
Appraiser Variation(AV, Reproducibility)	0.002731730020532587	
GRR	0.012788614407570223	
Part Variation(PV)	0.035151306666666665	
Total Variation(TV)	0.03740538756435437	
Precision/Tolerance Ratio	9.358	

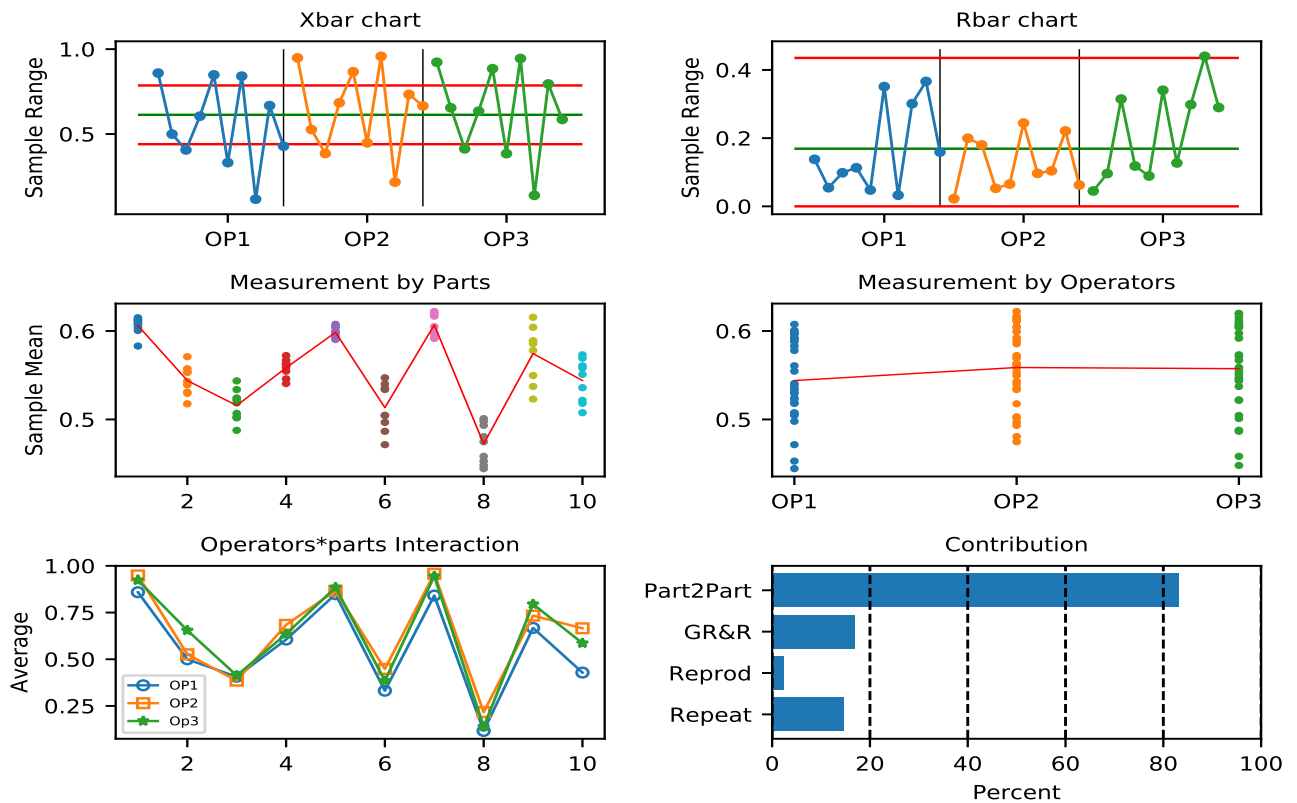
2.41 SFR_110lp_80IH_BL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.012635242666666668	
Appraiser Variation(AV, Reproducibility)	0.001148913357000837	
GRR	0.012687370064258735	
Part Variation(PV)	0.033816004444444415	
Total Variation(TV)	0.03611774516403444	
Precision/Tolerance Ratio	9.283	

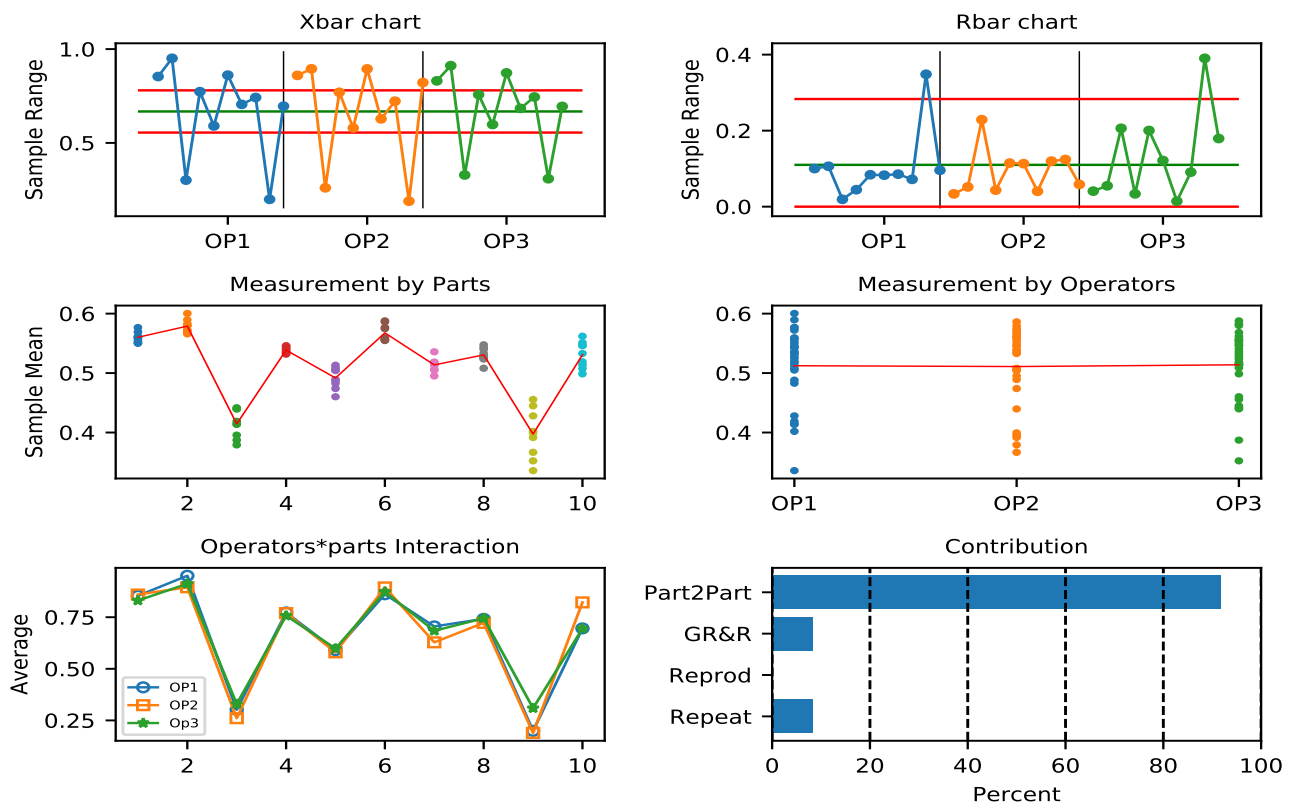
2.42 SFR_110lp_30IH_BL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.017743693333333338	
Appraiser Variation(AV, Reproducibility)	0.007000777545442188	
GRR	0.019074840480280443	
Part Variation(PV)	0.0423311777777777805	
Total Variation(TV)	0.04643035807962259	
Precision/Tolerance Ratio	17.608	

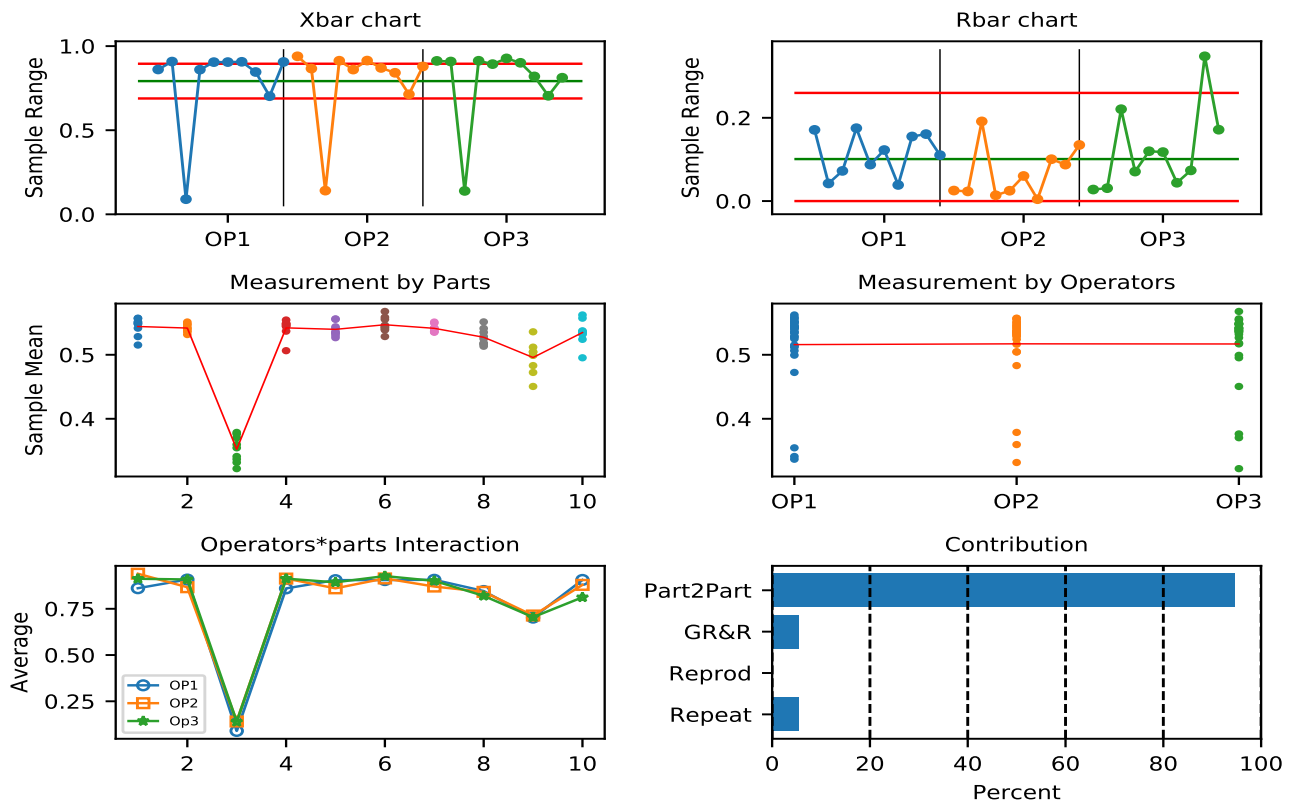
2.43 SFR_110lp_60IH_TR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.01717849466666665	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.01717849466666665	
Part Variation(PV)	0.057117377777777784	
Total Variation(TV)	0.05964474430511106	
Precision/Tolerance Ratio	14.724	

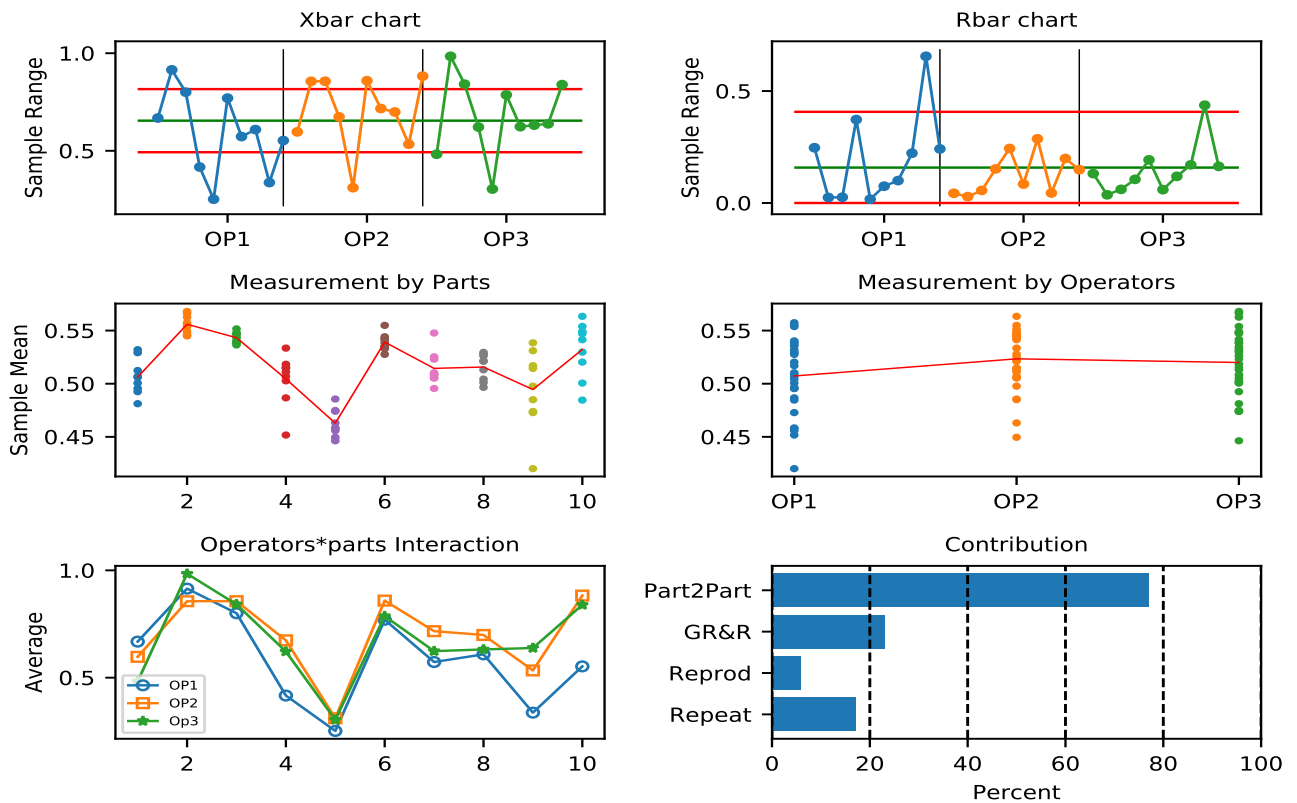
2.44 SFR_110lp_60IH_BR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.014638054666666683	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.014638054666666683	
Part Variation(PV)	0.061203682222222264	
Total Variation(TV)	0.06292982887298429	
Precision/Tolerance Ratio	12.547	

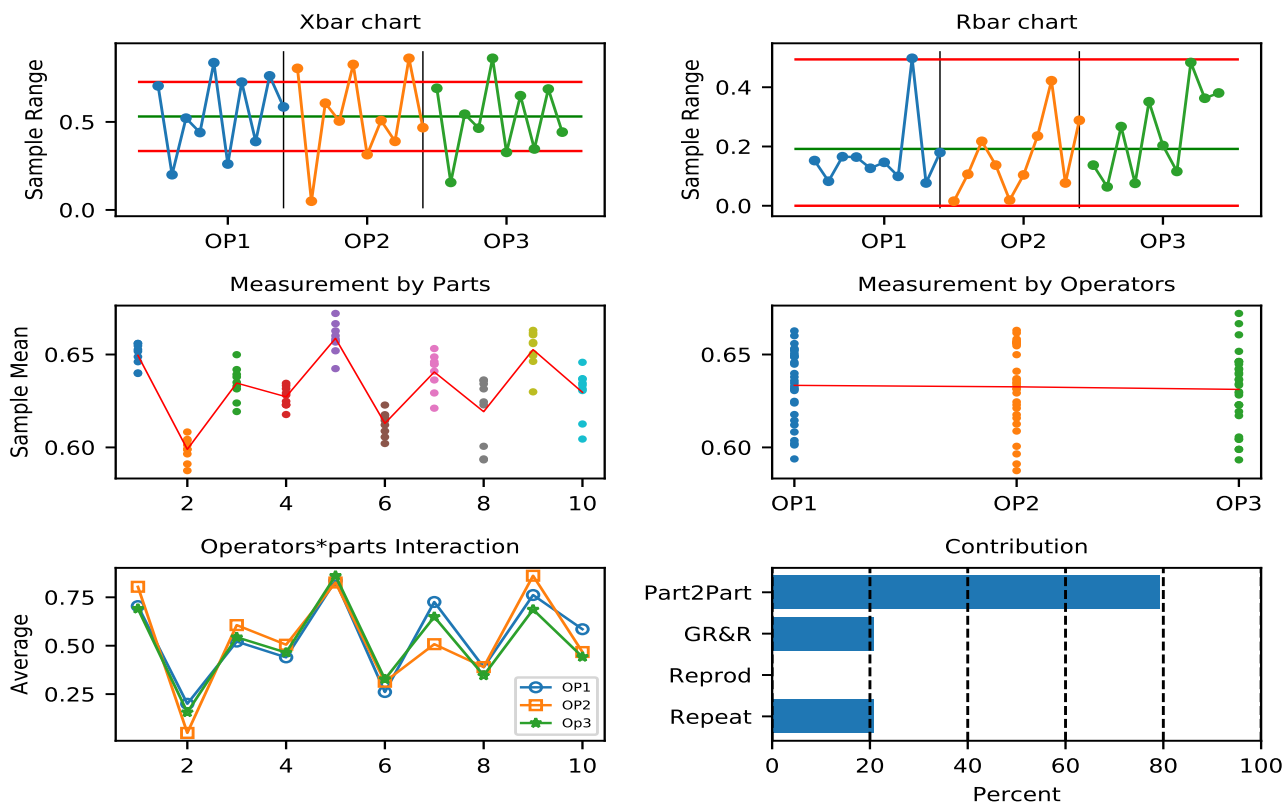
2.45 SFR_110lp_60IH_TL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.0138148733333333	
Appraiser Variation(AV, Reproducibility)	0.008066414693191621	
GRR	0.015997430144200724	
Part Variation(PV)	0.029285764444444407	
Total Variation(TV)	0.033370252775699286	
Precision/Tolerance Ratio	13.712	

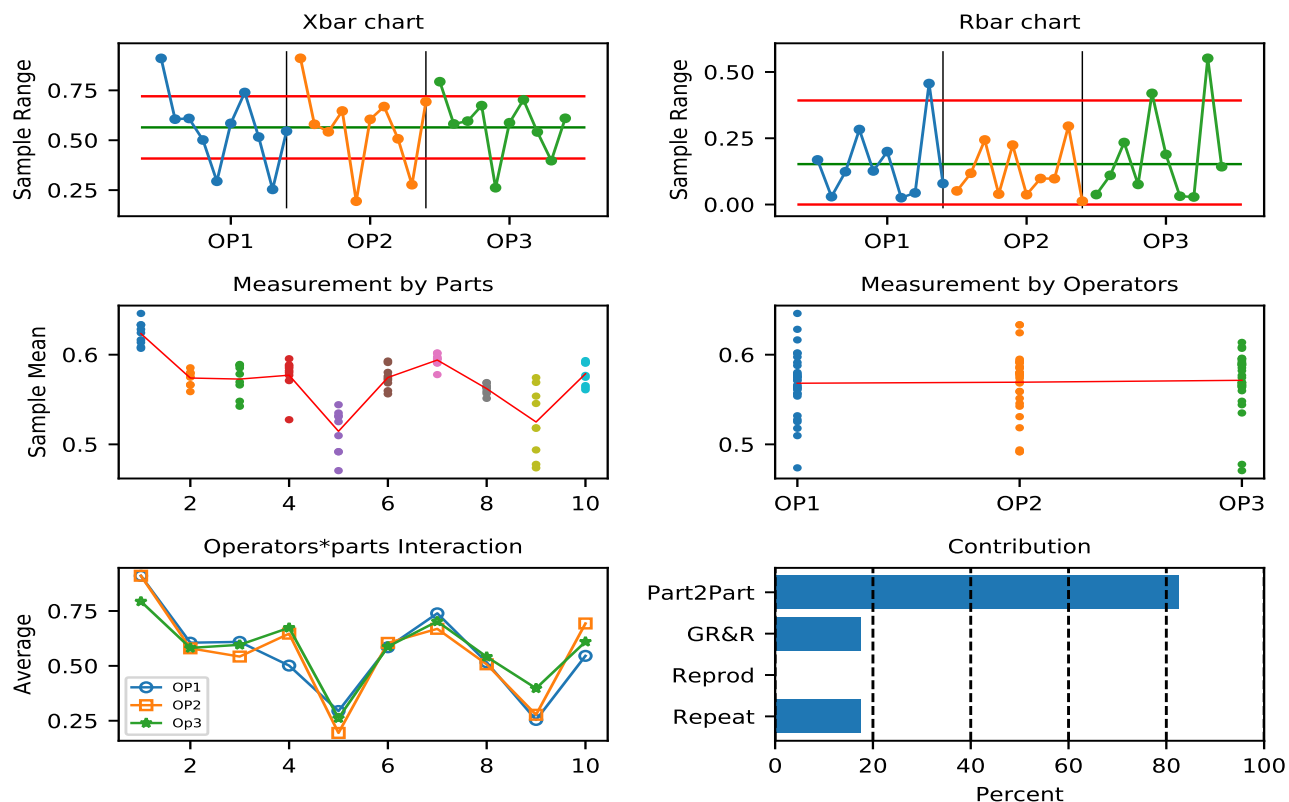
2.46 SFR_110lp_Center_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.5	
Equipment Variation(EV, Repeatability)	0.00958671466666666	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.00958671466666666	
Part Variation(PV)	0.018788611111111114	
Total Variation(TV)	0.021093055861696516	
Precision/Tolerance Ratio	11.504	

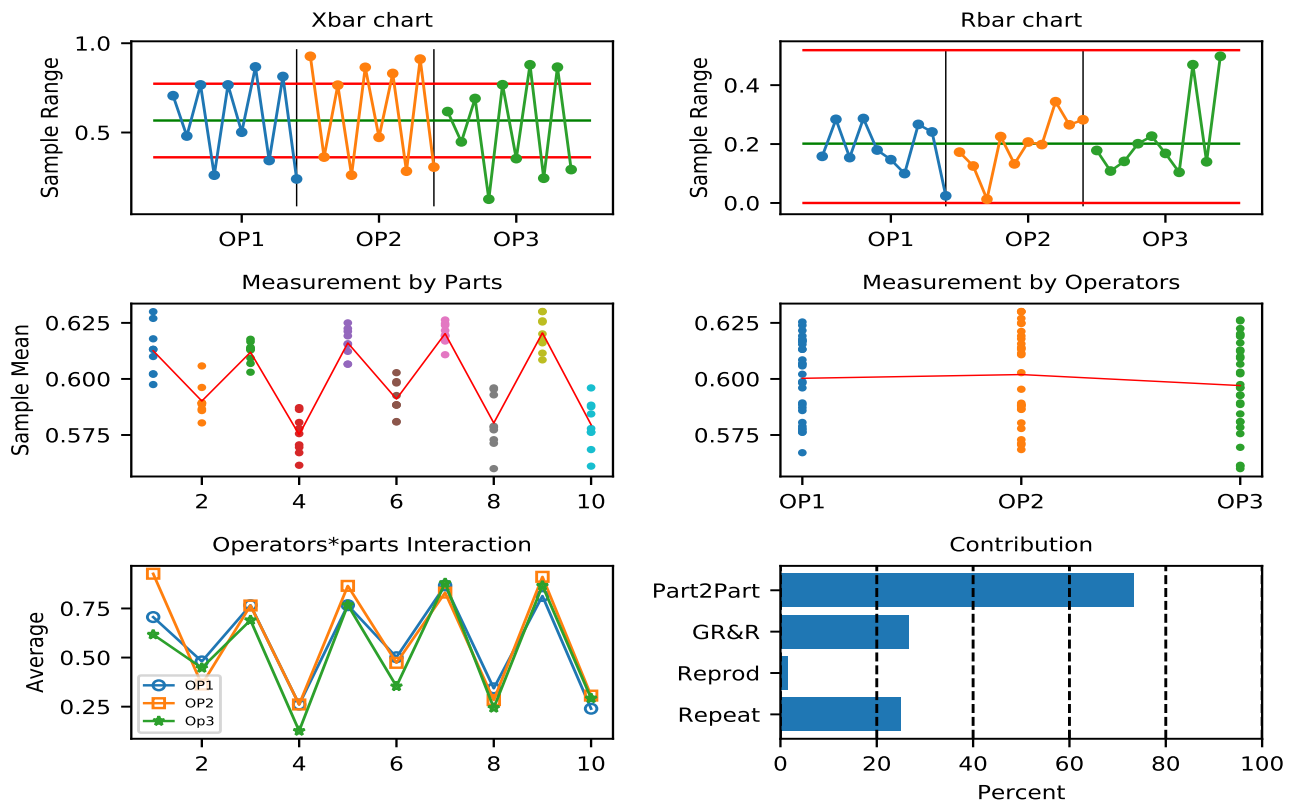
2.47 SFR_110lp_30IH_TR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.015788145333333337	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.015788145333333337	
Part Variation(PV)	0.034252948888888888	
Total Variation(TV)	0.037716442576829656	
Precision/Tolerance Ratio	14.574	

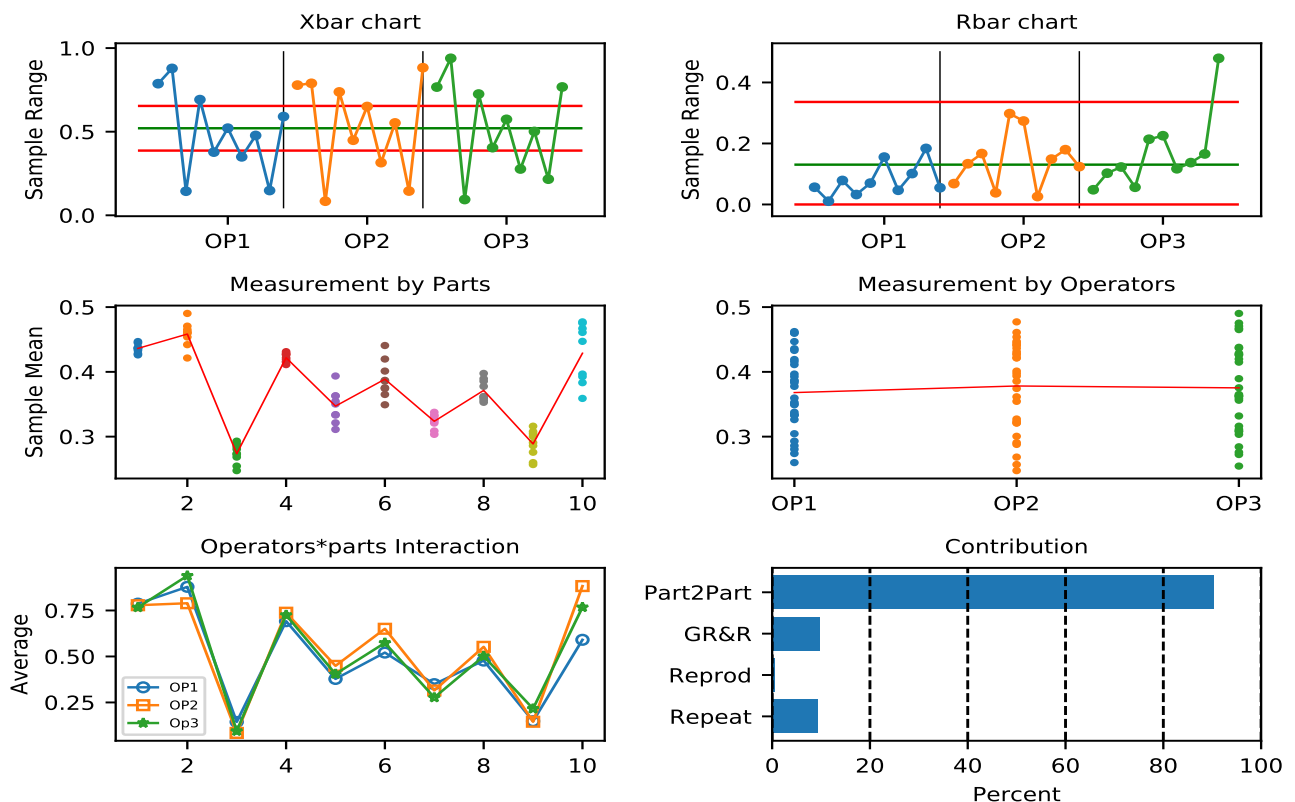
2.48 SFR_110lp_30IH_TL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.008342095999999992	
Appraiser Variation(AV, Reproducibility)	0.002068115304039016	
GRR	0.00859463010163999	
Part Variation(PV)	0.0142758488888888946	
Total Variation(TV)	0.016663358847555553	
Precision/Tolerance Ratio	7.934	

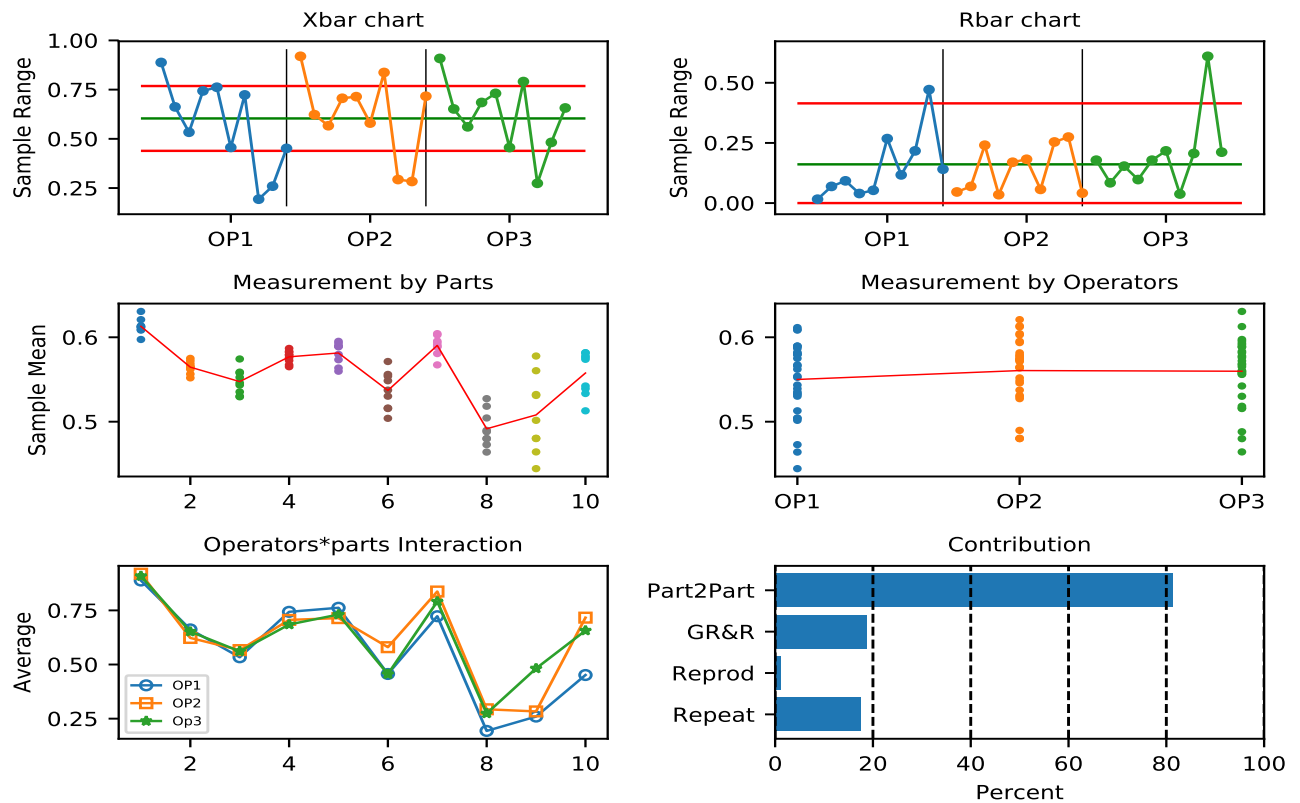
2.49 SFR_110lp_80IH_TR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.018714574666666664	
Appraiser Variation(AV, Reproducibility)	0.004070808692050589	
GRR	0.01915220061406825	
Part Variation(PV)	0.058127593333333324	
Total Variation(TV)	0.06120150239239959	
Precision/Tolerance Ratio	14.014	

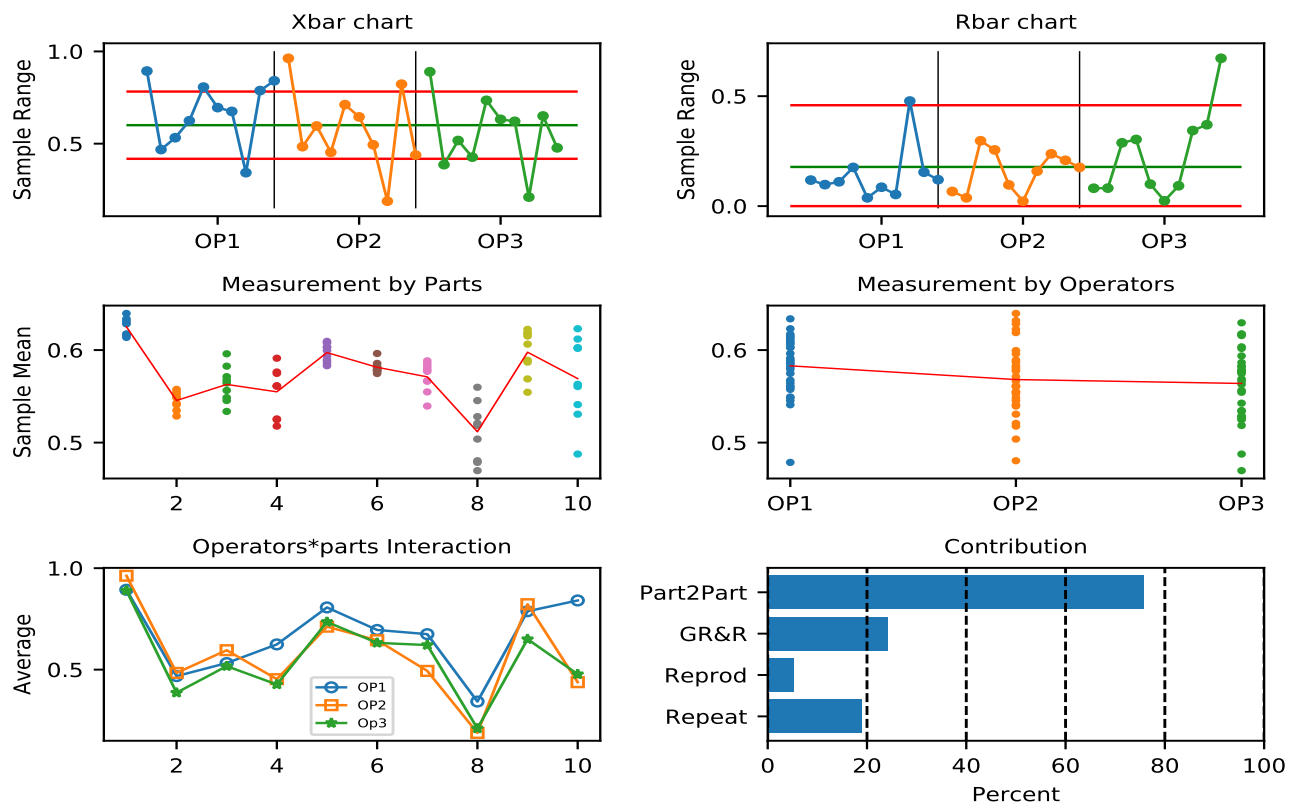
2.50 SFR_110lp_30IH_TL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.017708245333333334	
Appraiser Variation(AV, Reproducibility)	0.004470361349374113	
GRR	0.018263791593738133	
Part Variation(PV)	0.0381749622222223	
Total Variation(TV)	0.042318953484787404	
Precision/Tolerance Ratio	16.859	

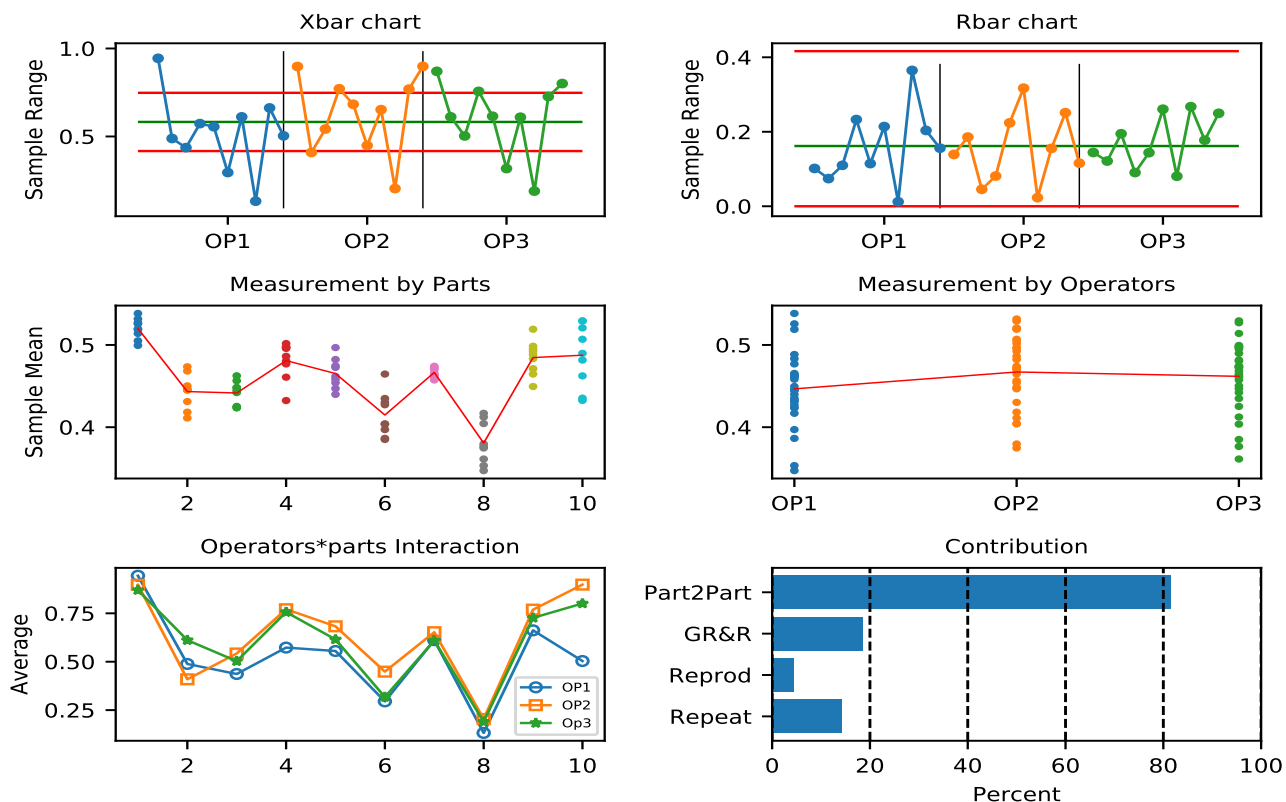
2.51 SFR_110lp_30IH_TR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.017883516000000002	
Appraiser Variation(AV, Reproducibility)	0.009409432641073728	
GRR	0.020207859044172882	
Part Variation(PV)	0.035721082222222256	
Total Variation(TV)	0.04104087331278323	
Precision/Tolerance Ratio	18.653	

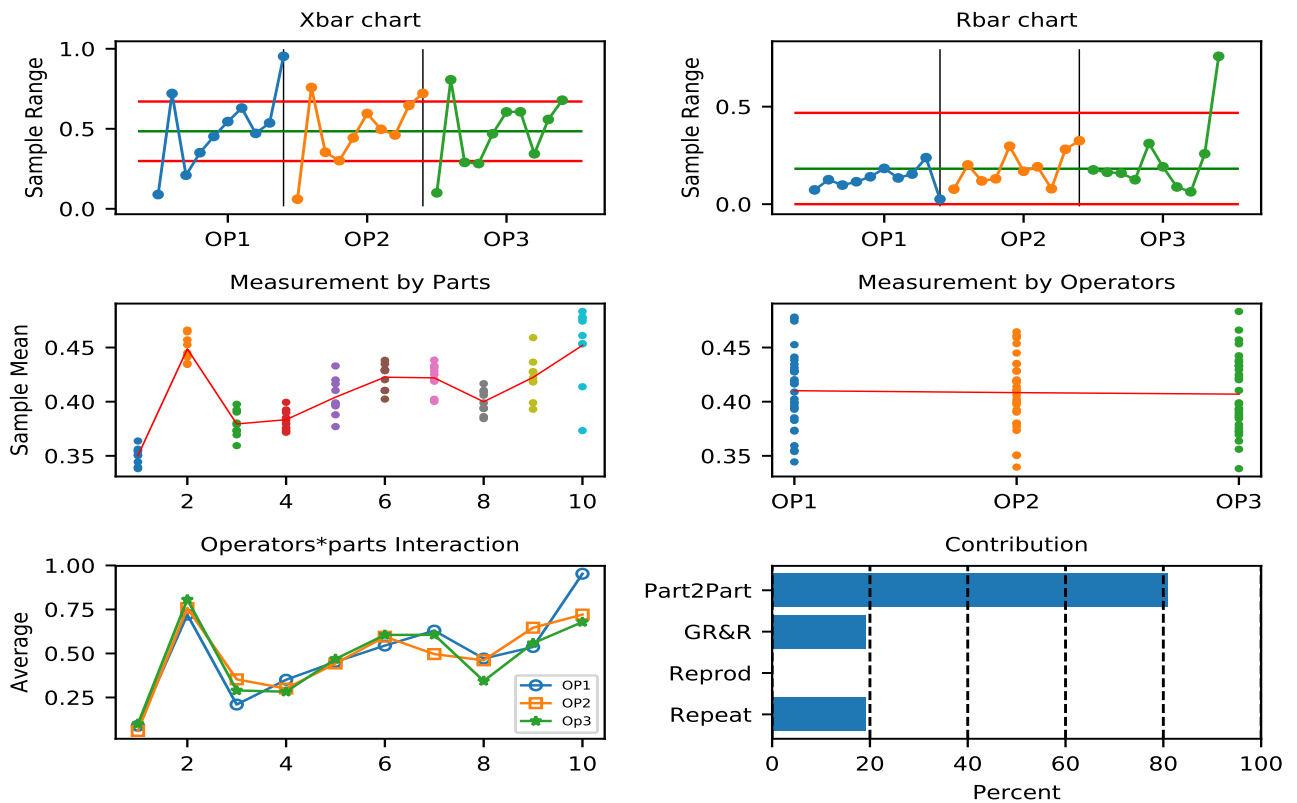
2.52 SFR_110lp_60IH_BL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.018259658666666664	
Appraiser Variation(AV, Reproducibility)	0.010205028756137454	
GRR	0.02091788102406091	
Part Variation(PV)	0.043802806666666668	
Total Variation(TV)	0.04854115386364591	
Precision/Tolerance Ratio	17.93	

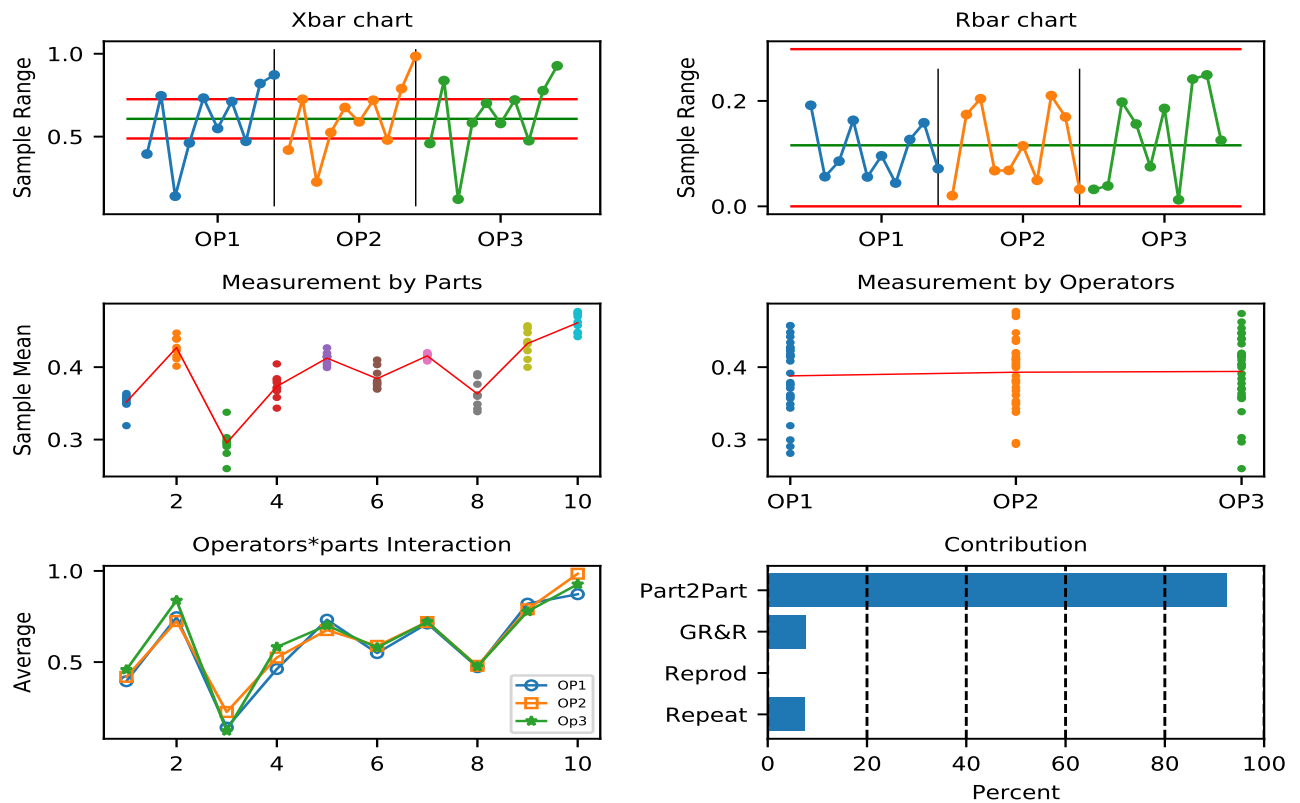
2.53 SFR_110lp_80IH_BR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.015583334666666669	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.015583334666666669	
Part Variation(PV)	0.03200880222222223	
Total Variation(TV)	0.035600614306984565	
Precision/Tolerance Ratio	11.402	

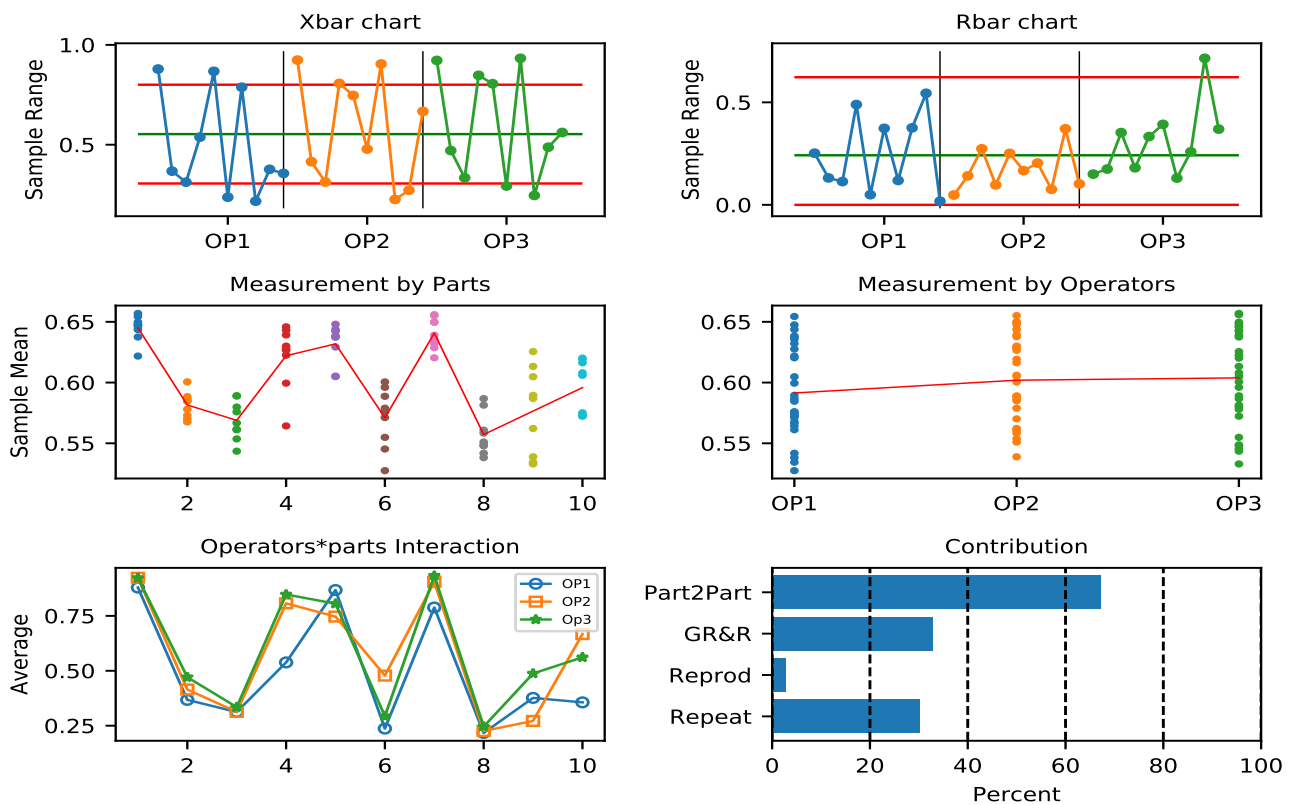
2.54 SFR_110lp_80IH_BR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.014846804000000002	
Appraiser Variation(AV, Reproducibility)	0.0016901443792548879	
GRR	0.014942696444656263	
Part Variation(PV)	0.052223600000000003	
Total Variation(TV)	0.05431932044859496	
Precision/Tolerance Ratio	10.934	

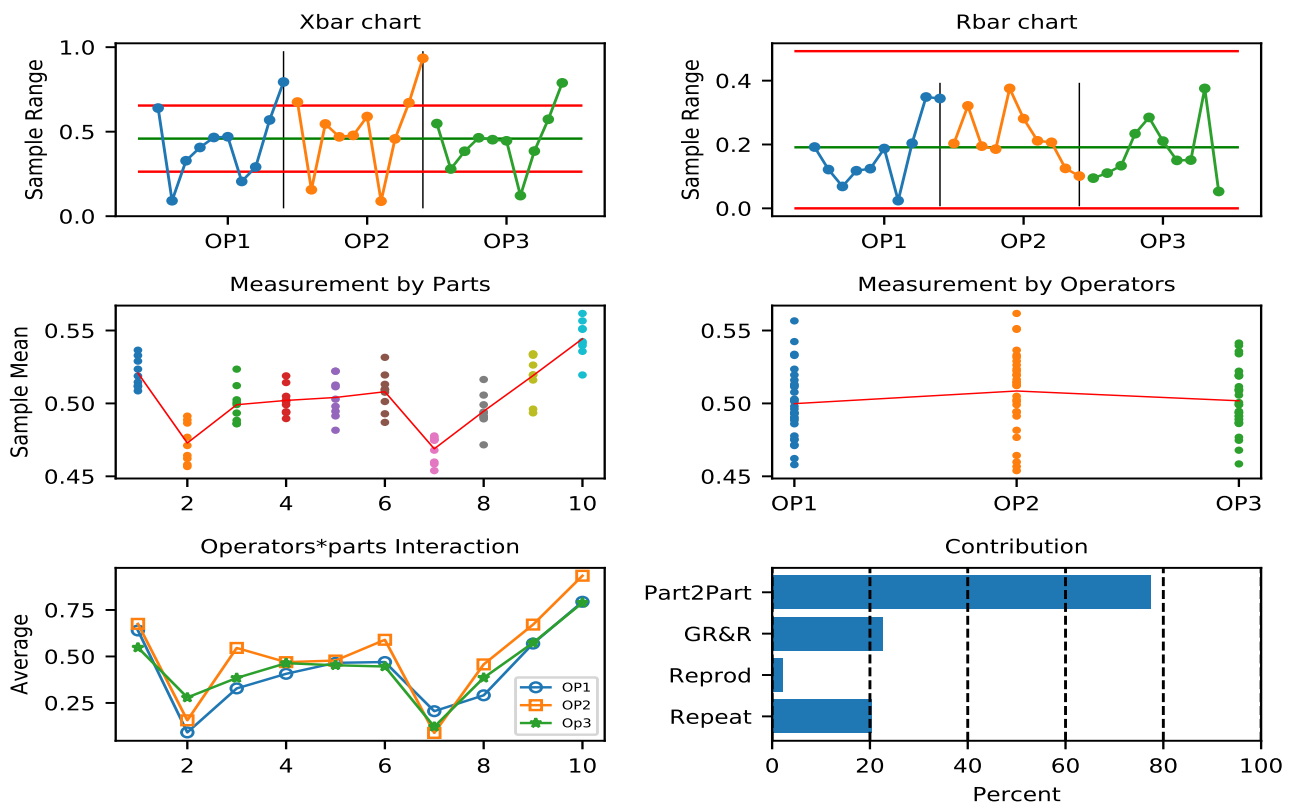
2.55 SFR_110lp_Center_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.5	
Equipment Variation(EV, Repeatability)	0.018484162666666665	
Appraiser Variation(AV, Reproducibility)	0.005567977738985881	
GRR	0.01930457576818605	
Part Variation(PV)	0.027625375555555505	
Total Variation(TV)	0.03370204771486622	
Precision/Tolerance Ratio	23.165	

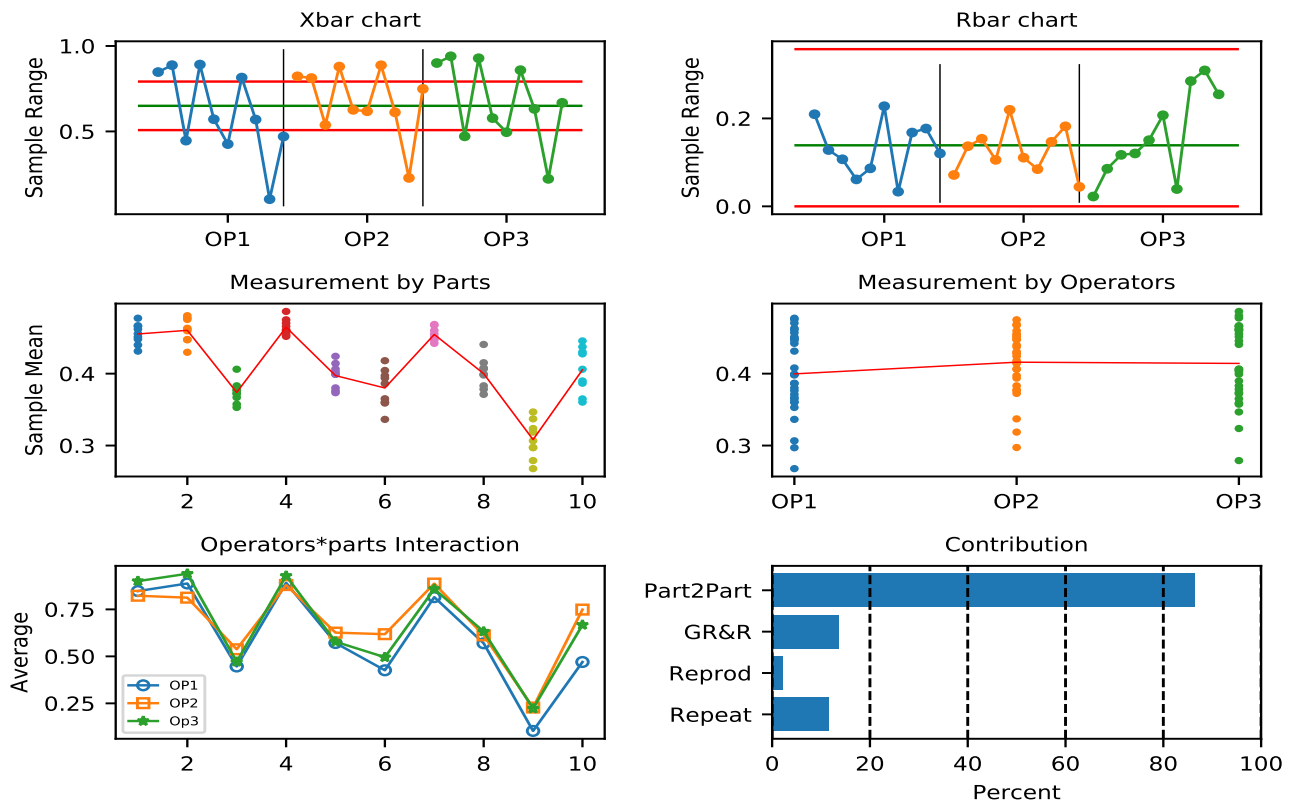
2.56 SFR_110lp_60IH_BL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.3	
Equipment Variation(EV, Repeatability)	0.0121783573333333	
Appraiser Variation(AV, Reproducibility)	0.00395484643003354	
GRR	0.0128044210186756	
Part Variation(PV)	0.0237488044444444	
Total Variation(TV)	0.0269807136703973	
Precision/Tolerance Ratio	10.975	

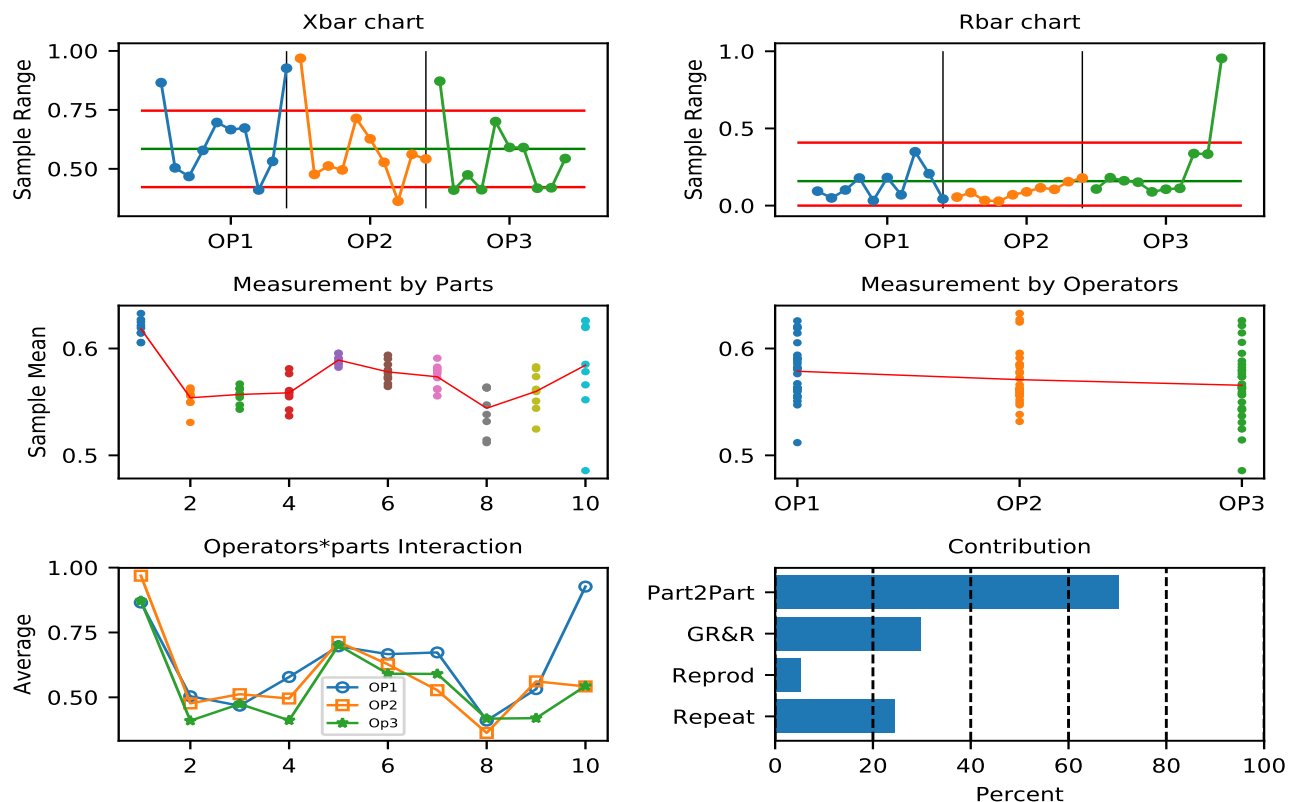
2.57 SFR_110lp_80IH_TL_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.017934718666666665	
Appraiser Variation(AV, Reproducibility)	0.00785573306480594	
GRR	0.019579751674573584	
Part Variation(PV)	0.049185962222222226	
Total Variation(TV)	0.05293982957437471	
Precision/Tolerance Ratio	14.327	

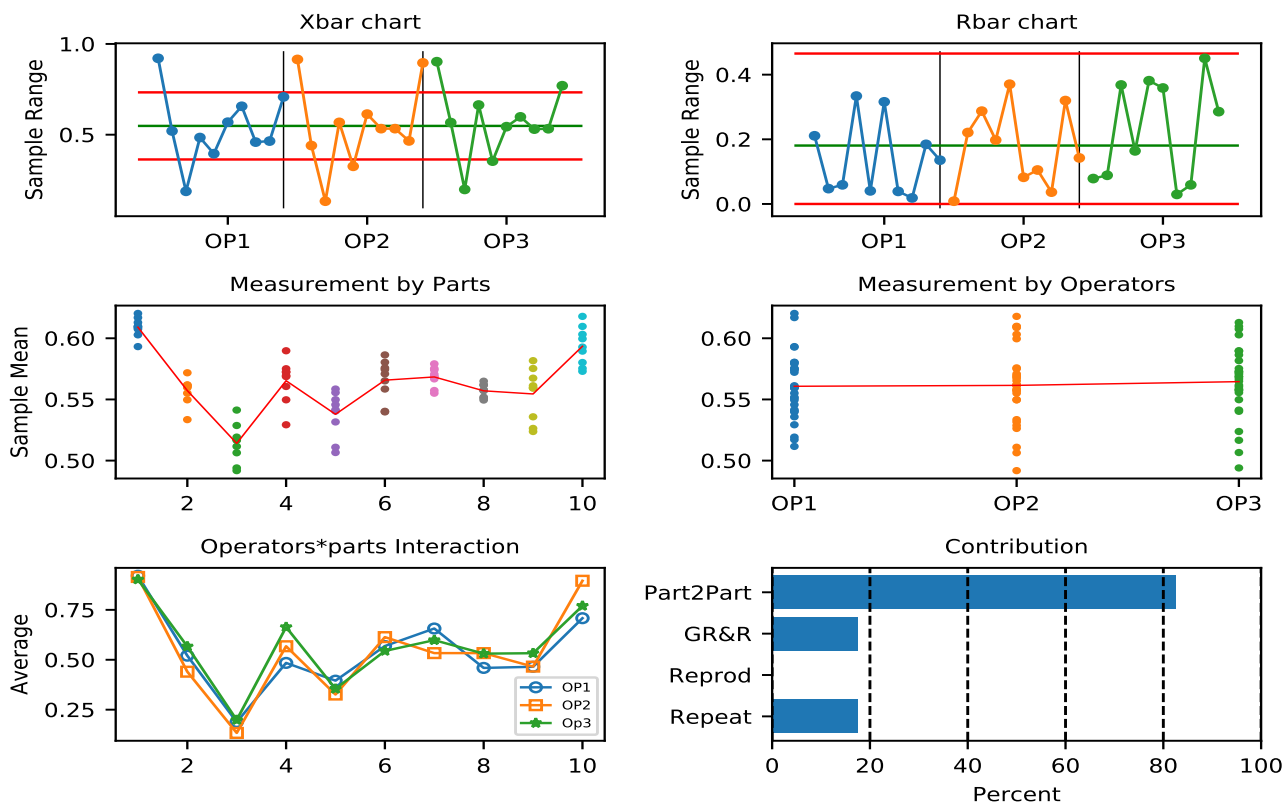
2.58 SFR_110lp_30IH_BR_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.013773517333333329	
Appraiser Variation(AV, Reproducibility)	0.006370778757629166	
GRR	0.01517552640636537	
Part Variation(PV)	0.023367788888888892	
Total Variation(TV)	0.027863060838069695	
Precision/Tolerance Ratio	14.008	

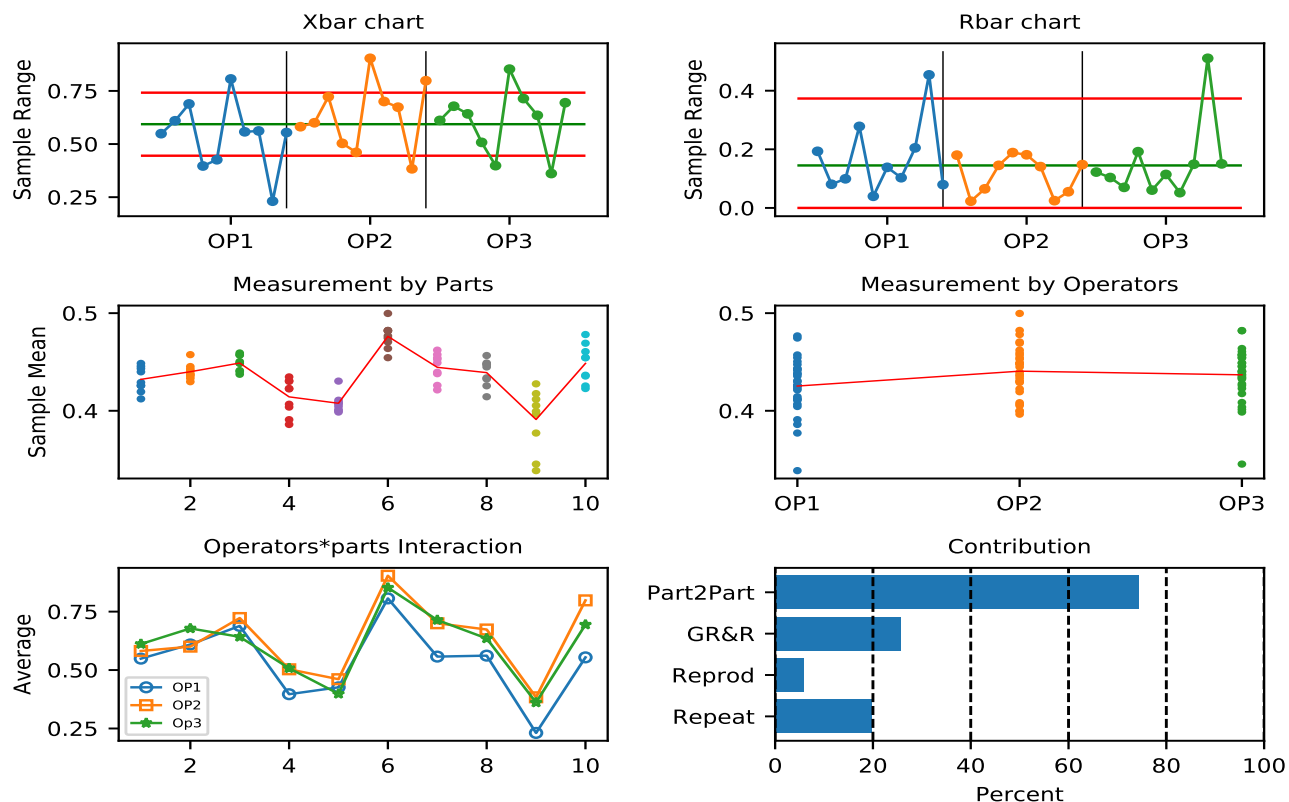
2.59 SFR_110lp_30IH_BR_H



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.35	
Equipment Variation(EV, Repeatability)	0.013718375999999992	
Appraiser Variation(AV, Reproducibility)	0.0	
GRR	0.013718375999999992	
Part Variation(PV)	0.029883504444444448	
Total Variation(TV)	0.03288187461137985	
Precision/Tolerance Ratio	12.663	

2.60 SFR_110lp_80IH_TL_V



Conclusion

Measurement Source	StdDev (SD)	Description
Upper limit(ULS)	1.0	
lower limit(LSL)	0.18	
Equipment Variation(EV, Repeatability)	0.013791241333333336	
Appraiser Variation(AV, Reproducibility)	0.007562125549058672	
GRR	0.015728448122239135	
Part Variation(PV)	0.026789937777777779	
Total Variation(TV)	0.031065814756274675	
Precision/Tolerance Ratio	11.509	