Szenario: Abschätzung wo ein Optimum vermutet wird

Controls						Responses																Excel
Replication	Bar	Table	Service	Dish Service	Cook	Bar.Utilization	Cook.Utilization	DishService.Utilization	Service.Utilization	Table.Utilization	Record At Table	Record Wait For Dish	Record Sales	Resources.TotalCost	Cook.BusyCost	Cook.IdleCost	DishService.BusyCost	DishService.IdleCost	Service.BusyCost	Service.IdleCost	Record Overflow	Sales - Cost
10	40	250	2	2	2	0.835	0.985	0.189	0.995	0.925	1.199	2.279	11295	1952.174	685.703	10.387	105.493	454.259	692.546	3.786	1172	9'342.83
10	40	250	4	8	4	0.81	0.985	0.094	0.88	0.923	0.803	2.319	22431	5029.973	1373.356	21.292	210.049	2029.781	1227.715	167.781	923	17'401.03
10	40	250	4	8	8	0.702	0.724	0.136	0.992	0.912	0.538	0.156	32933	6422.829	2018.635	771.526	305.261	1934.382	1382.08	10.945	665	26'510.17
10	40	250	8	4	4	0.8	0.985	0.187	0.442	0.924	0.803	3.309	22707	5307.644	1372.791	21.184	209.477	910.332	1232.042	1561.818	942	17'399.36
10	40	250	8	4	8	0.529	0.982	0.372	0.705	0.883	0.345	1.398	44219	6707.101	2736.83	50.965	415.971	703.335	1974.545	825.455	386	37'511.90
10	40	250	8	8	4	0.8	0.985	0.094	0.443	0.924	0.805	3.316	22810	6427.084	1372.518	21.184	210.222	2029.587	1235.348	1558.225	939	16'382.92
10	40	250	8	8	8	0.506	0.982	0.188	0.718	0.88	0.33	1.366	44774	7828.792	2738.711	50.965	419.417	1819.699	2010.611	789.389	388	36'945.21
10	40	250	8	8	16	0.229	0.66	0.254	0.896	0.726	0.14	0.154	62347	10640	3697.216	1902.784	569.615	1670.385	2508.836	291.164	54	51'707.00
10	40	250	8	16	8	0.506	0.982	0.094	0.718	0.88	0.33	1.366	44774	10068.792	2738.711	50.965	419.417	4059.699	2010.611	789.389	388	34'705.21
10	40	250	8	16	16	0.229	0.66	0.127	0.896	0.726	0.14	0.154	62347	12880	3697.216	1902.784	569.615	3910.385	2508.836	291.164	54	49'467.00
10	40	250	16	8	8	0.498	0.981	0.182	0.354	0.878	0.326	1.454	44573	10628.063	2735.441	53.102	408.076	1831.445	1981.347	3618.653	386	33'944.94
10	40	250	2	2	4	0.832	0.733	0.275	0.995	0.929	1.004	0.165	16671	2651.407	1021.579	374.132	153.995	405.748	692.167	3.786	1057	14'019.59
10	40	250	16	8	16	0.018	0.667	0.25	0.451	0.547	0.056	0.248	64415	13440	3737.747	1862.253	560.608	1679.392	2527.973	3072.027	1	50'975.00
10	40	250	16	16	8	0.498	0.981	0.091	0.354	0.878	0.326	1.454	44573	12868.063	2735.441	53.102	408.076	4071.445	1981.347	3618.653	386	31'704.94
10	40	250	16	16	16	0.025	0.67	0.125	0.453	0.552	0.058	0.253	64554	15680	3749.532	1850.468	562.161	3917.839	2537.257	3062.743	1	48'874.00
10	40	250	2	4	2	0.835	0.985	0.095	0.995	0.925	1.201	2.295	11197	2513.15	686.107	10.387	105.808	1013.954	693.107	3.786	1177	8'683.85
10	40	250	2	4	4	0.836	0.724	0.136	0.995	0.93	1.012	0.163	16728	3212.711	1010.653	385.835	151.955	967.456	693.026	3.786	1071	13'515.29
10	40	250	4	2	2	0.839	0.986	0.183	0.567	0.927	1.236	4.746	11081	2654.755	687.673	9.733	102.508	457.342	790.607	606.893	1187	8'426.25
10	40	250	4	2	4	0.802	0.985	0.38	0.885	0.924	0.791	2.236	22722	3349.619	1373.785	21.292	212.701	346.932	1233.306	161.604	895	19'372.38
10	40	250	4	4	2	0.839	0.986	0.092	0.569	0.927	1.234	4.745	11091	3214.94	687.642	9.733	103.247	1016.548	794.053	603.716	1187	7'876.06
10	40	250	4	4	4	0.81	0.985	0.188	0.881	0.923	0.804	2.321	22453	3910.353	1373.838	21.292	210.293	909.534	1228.231	167.166	923	18'542.65
10	40	250	4	4	8	0.692	0.724	0.276	0.992	0.912	0.532	0.155	33161	5304.414	2021.052	771.409	308.917	810.599	1381.493	10.945	666	27'856.59
10	40	250	8	4	16	0.189	0.649	0.5	0.883	0.708	0.122	0.154	61572	9520	3633.093	1966.907	560.193	559.807	2473.347	326.653	45	52'052.00
10	40	250	4	2	8	0.715	0.719	0.549	0.992	0.915	0.553	0.16	32519	4745.264	2006.233	785.972	307.007	252.634	1382.474	10.945	681	27'773.74

Szenario: Einfluss des Service bei 4 Tellerbringer und 16 Köchen

Controls						Responses																Excel
Replication	Bar	Table	Service	Dish Service	Cook	Bar.Utilization	Cook.Utilization	DishService.Utilization	Service.Utilization	Table.Utilization	Record At Table	Record Wait For Dish	Record Sales	Resources.TotalCost	Cook.BusyCost	Cook.IdleCost	DishService.BusyCost	DishService.IdleCost	Service.BusyCost	Service.IdleCost	Record Overflow	Sales - Cost
100	40	250	8	4	16	0.204	0.65	0.496	0.882	0.704	0.131	0.155	61415	9519.928	3640.973	1958.961	555.664	564.33	2470.177	329.823	56	51'895.07
100	40	250	9	4	16	0.108	0.661	0.504	0.798	0.634	0.089	0.157	63904	9870	3702.626	1897.374	564.422	555.578	2512.195	637.805	13	54'034.00
100	40	250	10	4	16	0.051	0.665	0.508	0.721	0.579	0.067	0.164	64315	10220	3726.092	1873.908	568.883	551.117	2524.806	975.194	3	54'095.00
100	40	250	11	4	16	0.041	0.674	0.514	0.664	0.564	0.064	0.191	65170	10570	3772.198	1827.802	575.123	544.877	2557.215	1292.785	1	54'600.00
100	40	250	12	4	16	0.034	0.677	0.515	0.609	0.56	0.061	0.231	65058	10920	3790.375	1809.625	576.498	543.502	2556.502	1643.498	1	54'138.00
100	40	250	13	4	16	0.034	0.673	0.511	0.56	0.555	0.061	0.244	64898	11270	3768.917	1831.083	572.564	547.436	2547.037	2002.963	1	53'628.00
100	40	250	14	4	16	0.032	0.675	0.513	0.521	0.557	0.061	0.253	65024	11620	3777.68	1822.32	574.954	545.046	2554.297	2345.703	2	53'404.00

Szenario: Einfluss der Tellerbringer bei 11 Servicekräften und 16 Köchen

Controls						Responses																Excel
Replication	Bar	Table	Service	Dish Service	Cook	Bar.Utilization	Cook.Utilization	DishService.Utilization	Service.Utilization	Table.Utilization	Record At Table	Record Wait For Dish	Record Sales	Resources.TotalCost	Cook.BusyCost	Cook.IdleCost	DishService.BusyCost	DishService.IdleCost	Service.BusyCost	Service.IdleCost	Record Overflow	Sales - Cost
100	40	250	11	2	16	0.301	0.631	0.953	0.62	0.773	0.179	0.783	57705	10009.521	3532.638	2067.362	533.416	26.105	2388.361	1461.639	119	47'695.48
100	40	250	11	3	16	0.055	0.671	0.682	0.661	0.575	0.069	0.23	64725	10290	3755.146	1844.854	572.633	267.367	2544.073	1305.927	4	54'435.00
100	40	250	11	4	16	0.041	0.674	0.514	0.664	0.564	0.064	0.191	65170	10570	3772.198	1827.802	575.123	544.877	2557.215	1292.785	1	54'600.00
100	40	250	11	5	16	0.034	0.67	0.41	0.663	0.559	0.061	0.184	64945	10850	3753.701	1846.299	573.584	826.416	2551.643	1298.357	1	54'095.00
100	40	250	11	6	16	0.034	0.671	0.341	0.662	0.559	0.061	0.186	64710	11130	3759.579	1840.421	573.201	1106.799	2546.923	1303.077	2	53'580.00

Szenario: Variation der Ressourcen um +-1

Replication	Bar	Table	Service	Dish Service	Cook	Bar.Utilization	Cook.Utilization	DishService.Utilization	Service.Utilization	Table.Utilization	Record At Table	Record Wait For Dish	Record Sales	Resources.TotalCost	Cook.BusyCost	Cook.IdleCost	DishService.BusyCost	DishService.IdleCost	Service.BusyCost	Service.IdleCost	Record Overflow	Record Guests	Sales - Cost
100	40	250	10	3	13	0.149	0.817	0.673	0.719	0.663	0.106	0.376	63889	8890	3718.228	831.772	565.015	274.985	2514.909	985.091	26	1751	54'999.00
100	40	250	11	3	13	0.146	0.819	0.675	0.655	0.662	0.104	0.441	64039	9240	3725.603	824.397	566.722	273.278	2520.04	1329.96	25	1754	54'799.00
100	40	250	12	3	13	0.147	0.816	0.67	0.598	0.659	0.105	0.464	63573	9590	3711.244	838.756	562.864	277.136	2509.785	1690.215	28	1745	53'983.00
100	40	250	10	4	13	0.144	0.819	0.506	0.722	0.66	0.103	0.365	63805	9170	3727.106	822.894	567.061	552.939	2526.667	973.333	24	1750	54'635.00
100	40	250	11	4	13	0.137	0.814	0.503	0.653	0.654	0.101	0.427	63650	9520	3701.431	848.569	563.485	556.515	2513.201	1336.799	25	1746	54'130.00
100	40	250	12	4	13	0.128	0.811	0.502	0.596	0.647	0.097	0.445	63333	9870	3692.275	857.725	562.524	557.476	2503.46	1696.54	24	1739	53'463.00
100	40	250	10	5	13	0.133	0.81	0.401	0.714	0.648	0.099	0.356	63271	9450	3683.268	866.732	561.246	838.754	2497.997	1002.003	23	1736	53'821.00
100	40	250	11	5	13	0.152	0.817	0.403	0.654	0.658	0.107	0.431	63687	9800	3719.58	830.42	563.761	836.239	2517.822	1332.178	28	1748	53'887.00
100	40	250	12	5	13	0.139	0.814	0.403	0.597	0.651	0.102	0.449	63513	10150	3703.59	846.41	563.711	836.289	2508.745	1691.255	25	1743	53'363.00
100	40	250	10	3	14	0.102	0.764	0.678	0.723	0.625	0.086	0.265	64395	9240	3744.931	1155.069	569.882	270.118	2531.398	968.602	12	1768	55'155.00
100	40	250	11	3	14	0.082	0.757	0.672	0.652	0.61	0.079	0.332	64009	9590	3709.163	1190.837	564.859	275.141	2511.564	1338.436	8	1754	54'419.00
100	40	250	12	3	14	0.093	0.76	0.677	0.602	0.617	0.083	0.368	64232	9940	3723.354	1176.646	568.577	271.423	2526.364	1673.636	12	1763	54'292.00
100	40	250	10	4	14	0.088	0.764	0.508	0.725	0.619	0.081	0.246	64558	9520	3745.841	1154.159	569.227	550.773	2536.857	963.143	7	1769	55'038.00
100	40	250	11	4	14	0.085	0.765	0.509	0.658	0.615	0.08	0.325	64566	9870	3746.145	1153.855	569.828	550.172	2534.816	1315.184	12	1771	54'696.00
100	40	250	12	4	14	0.088	0.761	0.508	0.601	0.611	0.081	0.355	64138	10220	3727.253	1172.747	568.869	551.131	2525.659	1674.341	10	1762	53'918.00
100	40	250	10	5	14	0.088	0.765	0.409	0.726	0.619	0.081	0.245	64569	9800	3748.061	1151.939	572.102	827.898	2539.467	960.533	9	1770	54'769.00
100	40	250	11	5	14	0.092	0.764	0.407	0.657	0.612	0.082	0.324	64395	10150	3741.926	1158.074	570.343	829.657	2530.883	1319.117	10	1765	54'245.00
100	40	250	12	5	14	0.096	0.765	0.408	0.604	0.617	0.084	0.361	64527	10500	3746.45	1153.55	571.092	828.908	2535.424	1664.576	12	1771	54'027.00
100	40	250	10	3	15	0.07	0.712	0.677	0.723	0.598	0.074	0.201	64472	9590	3736.793	1513.207	568.999	271.001	2530.872	969.128	6	1766	54'882.00
100	40	250	11	3	15	0.061	0.712	0.68	0.658	0.588	0.071	0.269	64490	9940	3739.98	1510.02	570.928	269.072	2533.9	1316.1	6	1770	54'550.00
100	40	250	12	3	15	0.066	0.716	0.682	0.606	0.594	0.073	0.309	64839	10290	3757.513	1492.487	573.149	266.851	2544.521	1655.479	6	1778	54'549.00
100	40	250	10	4	15	0.07	0.711	0.507	0.722	0.592	0.074	0.182	64343	9870	3730.401	1519.599	568.394	551.606	2526.868	973.132	5	1763	54'473.00
100	40	250	11	4	15	0.049	0.712	0.509	0.657	0.576	0.066	0.242	64457	10220	3736.172	1513.828	569.895	550.105	2529.628	1320.372	3	1767	54'237.00
100	40	250	12	4	15	0.049	0.717	0.514	0.608	0.58	0.066	0.279	65040	10570	3762.299	1487.701	575.141	544.859	2552.987	1647.013	2	1783	54'470.00
100	40	250	10	5	15	0.069	0.717	0.409	0.727	0.596	0.074	0.182	64623	10150	3766.14	1483.86	572.066	827.934	2542.78	957.22	7	1776	54'473.00
100	40	250	11	5	15	0.051	0.715	0.41	0.662	0.579	0.067	0.238	64778	10500	3753.929	1496.071	573.924	826.076	2546.885	1303.115	3	1777	54'278.00
100	40	250	12	5	15	0.054	0.717	0.409	0.606	0.58	0.068	0.281	64699	10850	3765.314	1484.686	572.677	827.323	2545.146	1654.854	4	1776	53'849.00