

SAS Program for RBF-33 Design

Obs	X1	X2	blck_bmi	X3
1	Govt_job	formerly	bmi1	2.05
2	Govt_job	formerly	bmi1	1.94
3	Govt_job	formerly	bmi2	2.35
4	Govt_job	formerly	bmi1	1.80
5	Govt_job	formerly	bmi3	1.86
6	Govt_job	formerly	bmi3	1.86
7	Govt_job	formerly	bmi3	1.97
8	Govt_job	formerly	bmi2	2.39
9	Govt_job	formerly	bmi3	2.22
10	Govt_job	formerly	bmi1	1.95
11	Govt_job	formerly	bmi1	2.05
12	Govt_job	formerly	bmi1	2.02
13	Govt_job	formerly	bmi3	2.04
14	Govt_job	formerly	bmi1	1.99
15	Govt_job	formerly	bmi2	1.74
16	Govt_job	formerly	bmi3	1.76
17	Govt_job	formerly	bmi3	1.95
18	Govt_job	formerly	bmi1	1.96
19	Govt_job	formerly	bmi3	2.34
20	Govt_job	formerly	bmi2	1.76
21	Govt_job	formerly	bmi3	2.32
22	Govt_job	formerly	bmi2	1.78
23	Govt_job	formerly	bmi3	1.93
24	Govt_job	formerly	bmi2	1.77
25	Govt_job	formerly	bmi1	2.34
26	Govt_job	formerly	bmi1	2.20
27	Govt_job	formerly	bmi3	1.95
28	Govt_job	formerly	bmi3	1.90
29	Govt_job	formerly	bmi2	1.90
30	Govt_job	formerly	bmi3	2.36
31	Govt_job	formerly	bmi2	2.02
32	Govt_job	formerly	bmi3	1.86

33	Govt_job	formerly	bmi2	2.01
34	Govt_job	formerly	bmi3	2.38
35	Govt_job	formerly	bmi2	1.79
36	Govt_job	formerly	bmi3	1.98
37	Govt_job	formerly	bmi3	1.93
38	Govt_job	formerly	bmi3	1.98
39	Govt_job	formerly	bmi2	2.08
40	Govt_job	formerly	bmi3	2.01
41	Govt_job	formerly	bmi2	1.91
42	Govt_job	formerly	bmi2	2.07
43	Govt_job	formerly	bmi2	1.99
44	Govt_job	formerly	bmi3	2.05
45	Govt_job	formerly	bmi3	1.90
46	Govt_job	formerly	bmi2	1.78
47	Govt_job	formerly	bmi2	1.92
48	Govt_job	formerly	bmi2	2.03
49	Govt_job	formerly	bmi2	2.16
50	Govt_job	formerly	bmi2	1.80
51	Govt_job	formerly	bmi2	1.87
52	Govt_job	formerly	bmi1	1.92
53	Govt_job	formerly	bmi2	1.99
54	Govt_job	formerly	bmi3	2.34
55	Govt_job	formerly	bmi2	2.30
56	Govt_job	formerly	bmi3	1.86
57	Govt_job	formerly	bmi2	1.87
58	Govt_job	formerly	bmi1	1.94
59	Govt_job	formerly	bmi1	1.97
60	Govt_job	formerly	bmi2	1.97
61	Govt_job	formerly	bmi3	1.95
62	Govt_job	formerly	bmi3	1.88
63	Govt_job	formerly	bmi3	1.87
64	Govt_job	formerly	bmi3	2.37
65	Govt_job	formerly	bmi2	2.04
66	Govt_job	formerly	bmi3	1.88
67	Govt_job	formerly	bmi2	2.30

	Govt_job	formerly	bmi3	2.00
69	Govt_job	formerly	bmi2	2.03
70	Govt_job	formerly	bmi3	1.89
71	Govt_job	formerly	bmi3	1.90
72	Govt_job	formerly	bmi1	1.93
73	Govt_job	formerly	bmi1	1.98
74	Govt_job	formerly	bmi2	2.00
75	Govt_job	formerly	bmi2	1.93
76	Govt_job	formerly	bmi3	2.32
77	Govt_job	formerly	bmi2	2.33
78	Govt_job	formerly	bmi3	1.82
79	Govt_job	formerly	bmi2	2.34
80	Govt_job	formerly	bmi3	2.05
81	Govt_job	formerly	bmi2	2.01
82	Govt_job	formerly	bmi3	2.31
83	Govt_job	formerly	bmi3	1.91
84	Govt_job	formerly	bmi3	2.41
85	Govt_job	formerly	bmi3	1.77
86	Govt_job	formerly	bmi2	2.33
87	Govt_job	formerly	bmi3	2.00
88	Govt_job	formerly	bmi3	2.33
89	Govt_job	formerly	bmi1	2.00
90	Govt_job	formerly	bmi3	1.88
91	Govt_job	formerly	bmi3	2.31
92	Govt_job	formerly	bmi3	2.04
93	Govt_job	formerly	bmi2	1.98
94	Govt_job	formerly	bmi3	2.26
95	Govt_job	formerly	bmi1	2.07
96	Govt_job	formerly	bmi3	2.07
97	Govt_job	formerly	bmi3	1.99
98	Govt_job	formerly	bmi3	1.74
99	Govt_job	formerly	bmi1	2.03
100	Govt_job	formerly	bmi3	1.93
101	Govt_job	never_sm	bmi3	2.19
102	Govt_job	never_sm	bmi3	1.82

	Govt_job	never_sm	bmi3	1.78
104	Govt_job	never_sm	bmi1	2.22
105	Govt_job	never_sm	bmi3	1.82
106	Govt_job	never_sm	bmi1	2.36
107	Govt_job	never_sm	bmi3	1.86
108	Govt_job	never_sm	bmi3	2.27
109	Govt_job	never_sm	bmi2	1.89
110	Govt_job	never_sm	bmi3	1.80
111	Govt_job	never_sm	bmi1	1.78
112	Govt_job	never_sm	bmi3	2.05
113	Govt_job	never_sm	bmi2	2.35
114	Govt_job	never_sm	bmi1	1.91
115	Govt_job	never_sm	bmi3	1.92
116	Govt_job	never_sm	bmi3	1.81
117	Govt_job	never_sm	bmi2	1.92
118	Govt_job	never_sm	bmi3	2.00
119	Govt_job	never_sm	bmi3	1.90
120	Govt_job	never_sm	bmi2	2.28
121	Govt_job	never_sm	bmi3	2.01
122	Govt_job	never_sm	bmi2	2.09
123	Govt_job	never_sm	bmi2	2.29
124	Govt_job	never_sm	bmi3	1.87
125	Govt_job	never_sm	bmi1	2.05
126	Govt_job	never_sm	bmi3	2.00
127	Govt_job	never_sm	bmi3	2.28
128	Govt_job	never_sm	bmi2	1.87
129	Govt_job	never_sm	bmi3	2.00
130	Govt_job	never_sm	bmi3	1.94
131	Govt_job	never_sm	bmi2	2.05
132	Govt_job	never_sm	bmi1	2.09
133	Govt_job	never_sm	bmi3	2.19
134	Govt_job	never_sm	bmi2	1.89
135	Govt_job	never_sm	bmi2	2.16
136	Govt_job	never_sm	bmi2	1.95
137	Govt_job	never_sm	bmi2	1.95

	Govt_job	never_sm	bmi3	1.86
139	Govt_job	never_sm	bmi3	1.89
140	Govt_job	never_sm	bmi1	1.92
141	Govt_job	never_sm	bmi1	1.93
142	Govt_job	never_sm	bmi3	2.31
143	Govt_job	never_sm	bmi3	2.39
144	Govt_job	never_sm	bmi3	1.95
145	Govt_job	never_sm	bmi3	2.03
146	Govt_job	never_sm	bmi3	2.06
147	Govt_job	never_sm	bmi3	2.25
148	Govt_job	never_sm	bmi3	1.93
149	Govt_job	never_sm	bmi3	1.89
150	Govt_job	never_sm	bmi2	1.81
151	Govt_job	never_sm	bmi2	2.31
152	Govt_job	never_sm	bmi1	1.87
153	Govt_job	never_sm	bmi2	2.26
154	Govt_job	never_sm	bmi3	2.33
155	Govt_job	never_sm	bmi2	2.00
156	Govt_job	never_sm	bmi3	1.96
157	Govt_job	never_sm	bmi2	1.92
158	Govt_job	never_sm	bmi1	2.06
159	Govt_job	never_sm	bmi3	1.82
160	Govt_job	never_sm	bmi3	1.81
161	Govt_job	never_sm	bmi1	2.02
162	Govt_job	never_sm	bmi2	2.09
163	Govt_job	never_sm	bmi1	2.13
164	Govt_job	never_sm	bmi2	1.93
165	Govt_job	never_sm	bmi3	1.84
166	Govt_job	never_sm	bmi3	1.94
167	Govt_job	never_sm	bmi3	2.08
168	Govt_job	never_sm	bmi3	2.02
169	Govt_job	never_sm	bmi1	2.38
170	Govt_job	never_sm	bmi3	1.90
171	Govt_job	never_sm	bmi2	1.86
172	Govt_job	never_sm	bmi3	1.94

	Govt_job	never_sm	bmi2	1.84
174	Govt_job	never_sm	bmi2	2.12
175	Govt_job	never_sm	bmi2	2.11
176	Govt_job	never_sm	bmi2	1.83
177	Govt_job	never_sm	bmi3	1.87
178	Govt_job	never_sm	bmi1	1.97
179	Govt_job	never_sm	bmi2	2.07
180	Govt_job	never_sm	bmi2	1.77
181	Govt_job	never_sm	bmi2	1.84
182	Govt_job	never_sm	bmi1	2.06
183	Govt_job	never_sm	bmi3	2.06
184	Govt_job	never_sm	bmi1	2.32
185	Govt_job	never_sm	bmi2	2.43
186	Govt_job	never_sm	bmi3	1.75
187	Govt_job	never_sm	bmi3	1.97
188	Govt_job	never_sm	bmi3	2.20
189	Govt_job	never_sm	bmi3	1.96
190	Govt_job	never_sm	bmi3	1.85
191	Govt_job	never_sm	bmi2	1.98
192	Govt_job	never_sm	bmi1	2.00
193	Govt_job	never_sm	bmi2	1.94
194	Govt_job	never_sm	bmi2	1.92
195	Govt_job	never_sm	bmi3	2.02
196	Govt_job	never_sm	bmi1	2.29
197	Govt_job	never_sm	bmi2	1.96
198	Govt_job	never_sm	bmi3	1.96
199	Govt_job	never_sm	bmi3	2.32
200	Govt_job	never_sm	bmi3	2.18
201	Govt_job	smokes	bmi3	1.94
202	Govt_job	smokes	bmi1	1.94
203	Govt_job	smokes	bmi2	1.98
204	Govt_job	smokes	bmi1	1.76
205	Govt_job	smokes	bmi2	2.02
206	Govt_job	smokes	bmi3	2.33
207	Govt_job	smokes	bmi3	2.34

	Govt_job	smokes	bmi1	1.98
209	Govt_job	smokes	bmi3	1.93
210	Govt_job	smokes	bmi3	2.07
211	Govt_job	smokes	bmi3	2.30
212	Govt_job	smokes	bmi3	2.05
213	Govt_job	smokes	bmi1	1.96
214	Govt_job	smokes	bmi3	2.03
215	Govt_job	smokes	bmi1	1.86
216	Govt_job	smokes	bmi2	1.82
217	Govt_job	smokes	bmi3	1.96
218	Govt_job	smokes	bmi1	2.05
219	Govt_job	smokes	bmi3	1.95
220	Govt_job	smokes	bmi1	1.92
221	Govt_job	smokes	bmi3	1.92
222	Govt_job	smokes	bmi1	2.02
223	Govt_job	smokes	bmi3	1.87
224	Govt_job	smokes	bmi3	1.92
225	Govt_job	smokes	bmi3	1.99
226	Govt_job	smokes	bmi3	1.94
227	Govt_job	smokes	bmi2	2.00
228	Govt_job	smokes	bmi3	2.04
229	Govt_job	smokes	bmi2	2.09
230	Govt_job	smokes	bmi2	1.92
231	Govt_job	smokes	bmi2	1.92
232	Govt_job	smokes	bmi2	2.01
233	Govt_job	smokes	bmi2	1.88
234	Govt_job	smokes	bmi2	1.92
235	Govt_job	smokes	bmi3	1.94
236	Govt_job	smokes	bmi3	1.75
237	Govt_job	smokes	bmi3	2.08
238	Govt_job	smokes	bmi2	1.90
239	Govt_job	smokes	bmi2	1.83
240	Govt_job	smokes	bmi3	1.93
241	Govt_job	smokes	bmi2	2.30
242	Govt_job	smokes	bmi2	1.90

	Govt_job	smokes	bmi3	2.05
244	Govt_job	smokes	bmi2	2.06
245	Govt_job	smokes	bmi1	1.75
246	Govt_job	smokes	bmi1	2.01
247	Govt_job	smokes	bmi3	1.81
248	Govt_job	smokes	bmi3	1.96
249	Govt_job	smokes	bmi3	1.91
250	Govt_job	smokes	bmi1	1.74
251	Govt_job	smokes	bmi1	1.91
252	Govt_job	smokes	bmi3	2.36
253	Govt_job	smokes	bmi3	1.91
254	Govt_job	smokes	bmi3	2.33
255	Govt_job	smokes	bmi3	2.12
256	Govt_job	smokes	bmi1	2.05
257	Govt_job	smokes	bmi3	1.87
258	Govt_job	smokes	bmi3	2.19
259	Govt_job	smokes	bmi2	2.01
260	Govt_job	smokes	bmi3	2.01
261	Govt_job	smokes	bmi2	1.92
262	Govt_job	smokes	bmi3	1.94
263	Govt_job	smokes	bmi3	1.98
264	Govt_job	smokes	bmi3	2.36
265	Govt_job	smokes	bmi3	1.86
266	Govt_job	smokes	bmi3	1.81
267	Govt_job	smokes	bmi3	2.21
268	Govt_job	smokes	bmi2	1.87
269	Govt_job	smokes	bmi2	1.93
270	Govt_job	smokes	bmi3	1.87
271	Govt_job	smokes	bmi2	1.84
272	Govt_job	smokes	bmi3	2.34
273	Govt_job	smokes	bmi2	1.84
274	Govt_job	smokes	bmi3	1.97
275	Govt_job	smokes	bmi2	2.00
276	Govt_job	smokes	bmi2	1.86
277	Govt_job	smokes	bmi3	1.91

	Govt_job	smokes	bmi3	2.00
279	Govt_job	smokes	bmi1	2.21
280	Govt_job	smokes	bmi3	2.05
281	Govt_job	smokes	bmi2	1.86
282	Govt_job	smokes	bmi2	2.01
283	Govt_job	smokes	bmi3	1.89
284	Govt_job	smokes	bmi3	1.91
285	Govt_job	smokes	bmi1	2.01
286	Govt_job	smokes	bmi3	1.91
287	Govt_job	smokes	bmi1	2.29
288	Govt_job	smokes	bmi2	2.10
289	Govt_job	smokes	bmi2	1.76
290	Govt_job	smokes	bmi1	1.76
291	Govt_job	smokes	bmi3	1.85
292	Govt_job	smokes	bmi3	1.87
293	Govt_job	smokes	bmi3	1.86
294	Govt_job	smokes	bmi3	1.94
295	Govt_job	smokes	bmi1	2.33
296	Govt_job	smokes	bmi3	1.82
297	Govt_job	smokes	bmi2	2.06
298	Govt_job	smokes	bmi3	1.90
299	Govt_job	smokes	bmi3	1.99
300	Govt_job	smokes	bmi2	2.35
301	Private	formerly	bmi2	1.80
302	Private	formerly	bmi1	1.88
303	Private	formerly	bmi2	1.98
304	Private	formerly	bmi3	1.89
305	Private	formerly	bmi2	1.93
306	Private	formerly	bmi1	1.82
307	Private	formerly	bmi2	1.78
308	Private	formerly	bmi2	1.97
309	Private	formerly	bmi3	1.88
310	Private	formerly	bmi2	1.77
311	Private	formerly	bmi3	2.06
312	Private	formerly	bmi2	1.95

	Private	formerly	bmi3	1.83
314	Private	formerly	bmi3	2.03
315	Private	formerly	bmi3	1.97
316	Private	formerly	bmi2	2.05
317	Private	formerly	bmi3	1.99
318	Private	formerly	bmi1	1.99
319	Private	formerly	bmi1	1.80
320	Private	formerly	bmi1	1.80
321	Private	formerly	bmi3	2.34
322	Private	formerly	bmi2	2.34
323	Private	formerly	bmi3	1.84
324	Private	formerly	bmi2	2.01
325	Private	formerly	bmi3	1.99
326	Private	formerly	bmi3	2.03
327	Private	formerly	bmi3	1.89
328	Private	formerly	bmi2	1.99
329	Private	formerly	bmi2	2.37
330	Private	formerly	bmi3	1.88
331	Private	formerly	bmi3	2.35
332	Private	formerly	bmi2	2.03
333	Private	formerly	bmi3	2.01
334	Private	formerly	bmi2	1.93
335	Private	formerly	bmi3	2.27
336	Private	formerly	bmi2	2.04
337	Private	formerly	bmi2	1.92
338	Private	formerly	bmi3	2.05
339	Private	formerly	bmi3	2.38
340	Private	formerly	bmi2	1.85
341	Private	formerly	bmi2	1.92
342	Private	formerly	bmi3	1.77
343	Private	formerly	bmi1	1.93
344	Private	formerly	bmi3	2.30
345	Private	formerly	bmi2	2.04
346	Private	formerly	bmi2	1.94
347	Private	formerly	bmi3	1.86

	Private	formerly	bmi3	1.94
349	Private	formerly	bmi1	1.81
350	Private	formerly	bmi3	1.91
351	Private	formerly	bmi3	1.98
352	Private	formerly	bmi1	2.04
353	Private	formerly	bmi3	2.03
354	Private	formerly	bmi3	1.87
355	Private	formerly	bmi3	1.82
356	Private	formerly	bmi2	1.78
357	Private	formerly	bmi2	2.08
358	Private	formerly	bmi3	2.32
359	Private	formerly	bmi2	2.07
360	Private	formerly	bmi2	1.90
361	Private	formerly	bmi2	2.07
362	Private	formerly	bmi1	1.80
363	Private	formerly	bmi2	2.01
364	Private	formerly	bmi2	2.02
365	Private	formerly	bmi1	1.84
366	Private	formerly	bmi1	1.87
367	Private	formerly	bmi1	1.82
368	Private	formerly	bmi2	1.91
369	Private	formerly	bmi2	1.79
370	Private	formerly	bmi1	1.95
371	Private	formerly	bmi3	1.92
372	Private	formerly	bmi1	1.92
373	Private	formerly	bmi2	1.76
374	Private	formerly	bmi2	2.27
375	Private	formerly	bmi3	2.35
376	Private	formerly	bmi3	1.92
377	Private	formerly	bmi3	2.06
378	Private	formerly	bmi3	1.92
379	Private	formerly	bmi2	2.07
380	Private	formerly	bmi2	2.23
381	Private	formerly	bmi1	2.10
382	Private	formerly	bmi2	1.75

	Private	formerly	bmi3	1.76
384	Private	formerly	bmi2	1.87
385	Private	formerly	bmi3	2.34
386	Private	formerly	bmi3	1.91
387	Private	formerly	bmi3	1.97
388	Private	formerly	bmi2	1.92
389	Private	formerly	bmi3	1.87
390	Private	formerly	bmi3	1.75
391	Private	formerly	bmi3	2.32
392	Private	formerly	bmi2	1.95
393	Private	formerly	bmi3	2.36
394	Private	formerly	bmi3	2.34
395	Private	formerly	bmi3	1.80
396	Private	formerly	bmi1	1.83
397	Private	formerly	bmi3	1.89
398	Private	formerly	bmi2	2.00
399	Private	formerly	bmi2	1.92
400	Private	formerly	bmi3	2.01
401	Private	never_sm	bmi3	1.94
402	Private	never_sm	bmi3	2.29
403	Private	never_sm	bmi3	1.90
404	Private	never_sm	bmi1	1.97
405	Private	never_sm	bmi3	2.01
406	Private	never_sm	bmi3	1.90
407	Private	never_sm	bmi1	2.04
408	Private	never_sm	bmi1	2.09
409	Private	never_sm	bmi3	1.88
410	Private	never_sm	bmi3	2.09
411	Private	never_sm	bmi1	2.12
412	Private	never_sm	bmi3	2.34
413	Private	never_sm	bmi2	2.07
414	Private	never_sm	bmi2	1.91
415	Private	never_sm	bmi3	1.93
416	Private	never_sm	bmi2	1.92
417	Private	never_sm	bmi2	2.30

	Private	never_sm	bmi3	1.88
419	Private	never_sm	bmi2	2.09
420	Private	never_sm	bmi2	2.07
421	Private	never_sm	bmi1	2.15
422	Private	never_sm	bmi2	2.05
423	Private	never_sm	bmi2	1.85
424	Private	never_sm	bmi3	2.16
425	Private	never_sm	bmi2	1.88
426	Private	never_sm	bmi3	1.92
427	Private	never_sm	bmi3	2.43
428	Private	never_sm	bmi2	1.88
429	Private	never_sm	bmi3	1.95
430	Private	never_sm	bmi3	2.02
431	Private	never_sm	bmi2	1.80
432	Private	never_sm	bmi2	1.96
433	Private	never_sm	bmi1	1.82
434	Private	never_sm	bmi3	2.16
435	Private	never_sm	bmi1	1.92
436	Private	never_sm	bmi3	1.79
437	Private	never_sm	bmi3	2.37
438	Private	never_sm	bmi2	2.00
439	Private	never_sm	bmi2	2.36
440	Private	never_sm	bmi3	2.24
441	Private	never_sm	bmi3	1.82
442	Private	never_sm	bmi2	2.04
443	Private	never_sm	bmi3	1.91
444	Private	never_sm	bmi2	1.84
445	Private	never_sm	bmi2	1.90
446	Private	never_sm	bmi3	2.32
447	Private	never_sm	bmi2	2.00
448	Private	never_sm	bmi1	1.90
449	Private	never_sm	bmi2	1.97
450	Private	never_sm	bmi1	1.85
451	Private	never_sm	bmi3	2.04
452	Private	never_sm	bmi2	1.89

	Private	never_sm	bmi2	1.98
454	Private	never_sm	bmi2	1.96
455	Private	never_sm	bmi1	2.13
456	Private	never_sm	bmi3	1.91
457	Private	never_sm	bmi3	1.85
458	Private	never_sm	bmi3	2.27
459	Private	never_sm	bmi1	1.83
460	Private	never_sm	bmi2	1.91
461	Private	never_sm	bmi2	1.96
462	Private	never_sm	bmi3	1.91
463	Private	never_sm	bmi3	2.40
464	Private	never_sm	bmi3	1.94
465	Private	never_sm	bmi3	1.93
466	Private	never_sm	bmi1	1.85
467	Private	never_sm	bmi3	1.84
468	Private	never_sm	bmi3	1.87
469	Private	never_sm	bmi1	1.88
470	Private	never_sm	bmi2	1.99
471	Private	never_sm	bmi2	1.90
472	Private	never_sm	bmi2	1.98
473	Private	never_sm	bmi3	2.08
474	Private	never_sm	bmi3	1.93
475	Private	never_sm	bmi3	1.95
476	Private	never_sm	bmi1	1.89
477	Private	never_sm	bmi2	2.00
478	Private	never_sm	bmi3	1.89
479	Private	never_sm	bmi3	2.31
480	Private	never_sm	bmi1	2.09
481	Private	never_sm	bmi2	2.03
482	Private	never_sm	bmi3	1.75
483	Private	never_sm	bmi1	1.96
484	Private	never_sm	bmi2	2.08
485	Private	never_sm	bmi1	1.97
486	Private	never_sm	bmi3	1.95
487	Private	never_sm	bmi2	2.05

	Private	never_sm	bmi2	1.84
489	Private	never_sm	bmi3	1.82
490	Private	never_sm	bmi3	1.89
491	Private	never_sm	bmi1	1.99
492	Private	never_sm	bmi3	1.93
493	Private	never_sm	bmi3	1.97
494	Private	never_sm	bmi3	1.92
495	Private	never_sm	bmi2	2.03
496	Private	never_sm	bmi1	1.97
497	Private	never_sm	bmi3	1.81
498	Private	never_sm	bmi2	1.81
499	Private	never_sm	bmi3	2.03
500	Private	never_sm	bmi1	1.99
501	Private	smokes	bmi3	1.89
502	Private	smokes	bmi2	1.83
503	Private	smokes	bmi3	2.11
504	Private	smokes	bmi3	1.89
505	Private	smokes	bmi3	1.76
506	Private	smokes	bmi3	1.88
507	Private	smokes	bmi2	2.01
508	Private	smokes	bmi3	2.38
509	Private	smokes	bmi3	1.94
510	Private	smokes	bmi2	2.15
511	Private	smokes	bmi2	1.92
512	Private	smokes	bmi1	1.92
513	Private	smokes	bmi2	1.82
514	Private	smokes	bmi3	2.31
515	Private	smokes	bmi3	2.30
516	Private	smokes	bmi2	2.10
517	Private	smokes	bmi2	1.97
518	Private	smokes	bmi2	2.40
519	Private	smokes	bmi1	1.87
520	Private	smokes	bmi2	1.94
521	Private	smokes	bmi1	1.96
522	Private	smokes	bmi1	1.98

	Private	smokes	bmi3	2.09
524	Private	smokes	bmi3	2.24
525	Private	smokes	bmi2	1.94
526	Private	smokes	bmi3	2.00
527	Private	smokes	bmi1	1.92
528	Private	smokes	bmi3	1.86
529	Private	smokes	bmi3	2.13
530	Private	smokes	bmi3	2.13
531	Private	smokes	bmi3	2.35
532	Private	smokes	bmi3	1.77
533	Private	smokes	bmi3	1.89
534	Private	smokes	bmi1	1.79
535	Private	smokes	bmi3	2.09
536	Private	smokes	bmi3	1.89
537	Private	smokes	bmi3	1.97
538	Private	smokes	bmi1	2.39
539	Private	smokes	bmi2	1.98
540	Private	smokes	bmi1	1.95
541	Private	smokes	bmi3	1.96
542	Private	smokes	bmi2	2.34
543	Private	smokes	bmi1	1.82
544	Private	smokes	bmi2	1.85
545	Private	smokes	bmi2	2.35
546	Private	smokes	bmi1	2.00
547	Private	smokes	bmi2	1.96
548	Private	smokes	bmi2	1.85
549	Private	smokes	bmi3	1.97
550	Private	smokes	bmi3	2.41
551	Private	smokes	bmi1	1.99
552	Private	smokes	bmi2	1.81
553	Private	smokes	bmi2	2.12
554	Private	smokes	bmi3	1.94
555	Private	smokes	bmi1	1.93
556	Private	smokes	bmi1	1.80
557	Private	smokes	bmi3	1.77

	Private	smokes	bmi3	2.38
559	Private	smokes	bmi2	1.90
560	Private	smokes	bmi3	1.97
561	Private	smokes	bmi1	2.32
562	Private	smokes	bmi2	1.88
563	Private	smokes	bmi3	2.09
564	Private	smokes	bmi1	2.04
565	Private	smokes	bmi3	1.98
566	Private	smokes	bmi3	2.16
567	Private	smokes	bmi3	1.76
568	Private	smokes	bmi2	2.02
569	Private	smokes	bmi3	2.31
570	Private	smokes	bmi3	1.99
571	Private	smokes	bmi2	2.28
572	Private	smokes	bmi2	1.91
573	Private	smokes	bmi3	1.79
574	Private	smokes	bmi3	2.00
575	Private	smokes	bmi2	1.92
576	Private	smokes	bmi3	2.15
577	Private	smokes	bmi1	2.07
578	Private	smokes	bmi3	2.01
579	Private	smokes	bmi3	2.04
580	Private	smokes	bmi3	1.98
581	Private	smokes	bmi2	2.16
582	Private	smokes	bmi2	1.78
583	Private	smokes	bmi1	1.95
584	Private	smokes	bmi2	1.78
585	Private	smokes	bmi1	2.01
586	Private	smokes	bmi3	1.76
587	Private	smokes	bmi3	2.06
588	Private	smokes	bmi1	2.05
589	Private	smokes	bmi1	1.78
590	Private	smokes	bmi2	1.90
591	Private	smokes	bmi2	1.94
592	Private	smokes	bmi3	2.07

	Private	smokes	bmi2	2.16
594	Private	smokes	bmi2	1.86
595	Private	smokes	bmi2	1.93
596	Private	smokes	bmi3	2.03
597	Private	smokes	bmi2	1.88
598	Private	smokes	bmi1	2.00
599	Private	smokes	bmi3	2.03
600	Private	smokes	bmi3	1.85
601	Self-emp	smokes	bmi2	1.85
602	Self-emp	smokes	bmi3	2.02
603	Self-emp	smokes	bmi1	2.11
604	Self-emp	smokes	bmi3	1.96
605	Self-emp	smokes	bmi2	1.99
606	Self-emp	smokes	bmi3	2.32
607	Self-emp	smokes	bmi2	2.05
608	Self-emp	smokes	bmi3	2.26
609	Self-emp	smokes	bmi3	2.12
610	Self-emp	smokes	bmi1	2.10
611	Self-emp	smokes	bmi3	2.32
612	Self-emp	smokes	bmi2	2.06
613	Self-emp	smokes	bmi3	1.87
614	Self-emp	smokes	bmi1	2.04
615	Self-emp	smokes	bmi2	1.97
616	Self-emp	smokes	bmi3	2.15
617	Self-emp	smokes	bmi3	1.94
618	Self-emp	smokes	bmi2	1.83
619	Self-emp	smokes	bmi3	1.93
620	Self-emp	smokes	bmi1	2.21
621	Self-emp	smokes	bmi3	2.03
622	Self-emp	smokes	bmi1	1.84
623	Self-emp	smokes	bmi3	2.11
624	Self-emp	smokes	bmi3	2.13
625	Self-emp	smokes	bmi2	1.83
626	Self-emp	smokes	bmi3	2.40
627	Self-emp	smokes	bmi2	1.92

	Self-emp	smokes	bmi2	2.36
629	Self-emp	smokes	bmi1	1.92
630	Self-emp	smokes	bmi2	1.98
631	Self-emp	smokes	bmi3	2.02
632	Self-emp	smokes	bmi3	1.98
633	Self-emp	smokes	bmi3	1.93
634	Self-emp	smokes	bmi3	1.99
635	Self-emp	smokes	bmi3	1.93
636	Self-emp	smokes	bmi3	2.00
637	Self-emp	smokes	bmi3	1.97
638	Self-emp	smokes	bmi2	1.88
639	Self-emp	smokes	bmi2	1.82
640	Self-emp	smokes	bmi1	1.85
641	Self-emp	smokes	bmi2	1.80
642	Self-emp	smokes	bmi3	2.30
643	Self-emp	smokes	bmi3	2.38
644	Self-emp	smokes	bmi3	2.06
645	Self-emp	smokes	bmi3	1.96
646	Self-emp	smokes	bmi3	2.15
647	Self-emp	smokes	bmi2	1.74
648	Self-emp	smokes	bmi2	1.88
649	Self-emp	smokes	bmi2	2.09
650	Self-emp	smokes	bmi1	1.78
651	Self-emp	smokes	bmi2	2.29
652	Self-emp	smokes	bmi1	2.01
653	Self-emp	smokes	bmi2	1.83
654	Self-emp	smokes	bmi2	2.39
655	Self-emp	smokes	bmi3	1.97
656	Self-emp	smokes	bmi2	1.84
657	Self-emp	smokes	bmi1	1.82
658	Self-emp	smokes	bmi2	1.93
659	Self-emp	smokes	bmi2	1.87
660	Self-emp	smokes	bmi2	1.92
661	Self-emp	smokes	bmi2	2.04
662	Self-emp	smokes	bmi1	2.36

	Self-emp	smokes	bmi2	1.95
664	Self-emp	smokes	bmi2	1.83
665	Self-emp	smokes	bmi1	1.99
666	Self-emp	smokes	bmi3	2.15
667	Self-emp	smokes	bmi2	1.91
668	Self-emp	smokes	bmi3	2.05
669	Self-emp	smokes	bmi2	1.89
670	Self-emp	smokes	bmi1	1.97
671	Self-emp	smokes	bmi2	1.99
672	Self-emp	smokes	bmi3	2.06
673	Self-emp	smokes	bmi1	2.02
674	Self-emp	smokes	bmi2	1.79
675	Self-emp	smokes	bmi3	2.02
676	Self-emp	smokes	bmi2	1.98
677	Self-emp	smokes	bmi1	2.00
678	Self-emp	smokes	bmi2	1.88
679	Self-emp	smokes	bmi3	2.40
680	Self-emp	smokes	bmi2	1.98
681	Self-emp	smokes	bmi2	2.43
682	Self-emp	smokes	bmi3	2.37
683	Self-emp	smokes	bmi2	1.92
684	Self-emp	smokes	bmi2	1.87
685	Self-emp	smokes	bmi3	2.02
686	Self-emp	smokes	bmi3	1.96
687	Self-emp	smokes	bmi3	1.98
688	Self-emp	smokes	bmi3	2.28
689	Self-emp	smokes	bmi1	2.14
690	Self-emp	smokes	bmi2	1.87
691	Self-emp	smokes	bmi2	2.03
692	Self-emp	smokes	bmi2	1.79
693	Self-emp	smokes	bmi3	1.84
694	Self-emp	smokes	bmi1	1.76
695	Self-emp	smokes	bmi2	2.01
696	Self-emp	smokes	bmi3	2.06
697	Self-emp	smokes	bmi3	2.07

	Self-emp	smokes	bmi3	1.80
699	Self-emp	smokes	bmi3	2.40
700	Self-emp	smokes	bmi3	1.95
701	Self-emp	never_sm	bmi1	1.94
702	Self-emp	never_sm	bmi2	2.07
703	Self-emp	never_sm	bmi2	1.84
704	Self-emp	never_sm	bmi2	1.86
705	Self-emp	never_sm	bmi2	1.97
706	Self-emp	never_sm	bmi1	1.87
707	Self-emp	never_sm	bmi1	1.74
708	Self-emp	never_sm	bmi2	1.85
709	Self-emp	never_sm	bmi2	1.76
710	Self-emp	never_sm	bmi2	2.30
711	Self-emp	never_sm	bmi1	1.80
712	Self-emp	never_sm	bmi2	1.93
713	Self-emp	never_sm	bmi3	1.88
714	Self-emp	never_sm	bmi3	1.92
715	Self-emp	never_sm	bmi3	2.08
716	Self-emp	never_sm	bmi3	2.34
717	Self-emp	never_sm	bmi3	2.31
718	Self-emp	never_sm	bmi2	1.88
719	Self-emp	never_sm	bmi3	1.94
720	Self-emp	never_sm	bmi2	1.90
721	Self-emp	never_sm	bmi3	1.90
722	Self-emp	never_sm	bmi3	2.31
723	Self-emp	never_sm	bmi3	1.75
724	Self-emp	never_sm	bmi1	2.10
725	Self-emp	never_sm	bmi3	1.83
726	Self-emp	never_sm	bmi2	1.93
727	Self-emp	never_sm	bmi2	1.91
728	Self-emp	never_sm	bmi3	1.83
729	Self-emp	never_sm	bmi3	1.92
730	Self-emp	never_sm	bmi3	2.05
731	Self-emp	never_sm	bmi3	1.86
732	Self-emp	never_sm	bmi2	1.86

	Self-emp	never_sm	bmi2	1.79
734	Self-emp	never_sm	bmi3	2.05
735	Self-emp	never_sm	bmi3	2.04
736	Self-emp	never_sm	bmi2	1.95
737	Self-emp	never_sm	bmi2	1.83
738	Self-emp	never_sm	bmi1	2.39
739	Self-emp	never_sm	bmi1	1.86
740	Self-emp	never_sm	bmi3	2.25
741	Self-emp	never_sm	bmi3	1.87
742	Self-emp	never_sm	bmi1	1.82
743	Self-emp	never_sm	bmi2	1.80
744	Self-emp	never_sm	bmi3	2.05
745	Self-emp	never_sm	bmi2	1.75
746	Self-emp	never_sm	bmi3	2.00
747	Self-emp	never_sm	bmi3	1.81
748	Self-emp	never_sm	bmi3	2.26
749	Self-emp	never_sm	bmi3	1.94
750	Self-emp	never_sm	bmi1	1.91
751	Self-emp	never_sm	bmi2	1.96
752	Self-emp	never_sm	bmi1	1.99
753	Self-emp	never_sm	bmi3	2.10
754	Self-emp	never_sm	bmi2	1.92
755	Self-emp	never_sm	bmi3	1.87
756	Self-emp	never_sm	bmi3	2.35
757	Self-emp	never_sm	bmi3	1.97
758	Self-emp	never_sm	bmi2	2.15
759	Self-emp	never_sm	bmi3	1.96
760	Self-emp	never_sm	bmi1	2.02
761	Self-emp	never_sm	bmi2	1.81
762	Self-emp	never_sm	bmi3	2.05
763	Self-emp	never_sm	bmi3	2.25
764	Self-emp	never_sm	bmi2	1.86
765	Self-emp	never_sm	bmi2	1.98
766	Self-emp	never_sm	bmi1	1.93
767	Self-emp	never_sm	bmi2	1.90

	Self-emp	never_sm	bmi3	1.86
769	Self-emp	never_sm	bmi3	1.83
770	Self-emp	never_sm	bmi3	2.28
771	Self-emp	never_sm	bmi1	1.88
772	Self-emp	never_sm	bmi2	1.80
773	Self-emp	never_sm	bmi2	1.93
774	Self-emp	never_sm	bmi3	1.86
775	Self-emp	never_sm	bmi1	2.15
776	Self-emp	never_sm	bmi3	1.77
777	Self-emp	never_sm	bmi1	2.29
778	Self-emp	never_sm	bmi2	1.96
779	Self-emp	never_sm	bmi3	1.80
780	Self-emp	never_sm	bmi2	2.25
781	Self-emp	never_sm	bmi2	2.24
782	Self-emp	never_sm	bmi2	2.03
783	Self-emp	never_sm	bmi3	1.95
784	Self-emp	never_sm	bmi2	1.87
785	Self-emp	never_sm	bmi3	2.01
786	Self-emp	never_sm	bmi3	2.31
787	Self-emp	never_sm	bmi2	2.31
788	Self-emp	never_sm	bmi3	1.91
789	Self-emp	never_sm	bmi1	2.31
790	Self-emp	never_sm	bmi3	1.87
791	Self-emp	never_sm	bmi2	1.87
792	Self-emp	never_sm	bmi1	1.97
793	Self-emp	never_sm	bmi3	2.15
794	Self-emp	never_sm	bmi2	1.88
795	Self-emp	never_sm	bmi3	1.80
796	Self-emp	never_sm	bmi3	2.27
797	Self-emp	never_sm	bmi3	1.86
798	Self-emp	never_sm	bmi3	2.15
799	Self-emp	never_sm	bmi2	1.84
800	Self-emp	never_sm	bmi1	1.97
801	Self-emp	formerly	bmi3	1.91
802	Self-emp	formerly	bmi3	2.36

	Self-emp	formerly	bmi2	1.91
804	Self-emp	formerly	bmi1	1.77
805	Self-emp	formerly	bmi1	2.02
806	Self-emp	formerly	bmi1	1.90
807	Self-emp	formerly	bmi2	1.99
808	Self-emp	formerly	bmi1	1.88
809	Self-emp	formerly	bmi3	1.87
810	Self-emp	formerly	bmi2	1.89
811	Self-emp	formerly	bmi2	2.02
812	Self-emp	formerly	bmi3	2.30
813	Self-emp	formerly	bmi3	2.06
814	Self-emp	formerly	bmi1	1.92
815	Self-emp	formerly	bmi1	1.97
816	Self-emp	formerly	bmi3	2.00
817	Self-emp	formerly	bmi2	2.32
818	Self-emp	formerly	bmi3	1.80
819	Self-emp	formerly	bmi3	2.00
820	Self-emp	formerly	bmi2	1.90
821	Self-emp	formerly	bmi3	2.33
822	Self-emp	formerly	bmi2	2.30
823	Self-emp	formerly	bmi3	1.89
824	Self-emp	formerly	bmi2	1.87
825	Self-emp	formerly	bmi3	2.00
826	Self-emp	formerly	bmi3	1.91
827	Self-emp	formerly	bmi3	1.91
828	Self-emp	formerly	bmi1	2.06
829	Self-emp	formerly	bmi2	1.84
830	Self-emp	formerly	bmi3	1.83
831	Self-emp	formerly	bmi1	1.83
832	Self-emp	formerly	bmi3	2.32
833	Self-emp	formerly	bmi1	1.76
834	Self-emp	formerly	bmi3	2.00
835	Self-emp	formerly	bmi1	1.85
836	Self-emp	formerly	bmi3	1.87
837	Self-emp	formerly	bmi3	2.02

	Self-emp	formerly	bmi2	2.03
839	Self-emp	formerly	bmi1	2.00
840	Self-emp	formerly	bmi2	1.90
841	Self-emp	formerly	bmi3	2.35
842	Self-emp	formerly	bmi2	2.01
843	Self-emp	formerly	bmi1	2.12
844	Self-emp	formerly	bmi3	2.32
845	Self-emp	formerly	bmi3	2.33
846	Self-emp	formerly	bmi1	1.88
847	Self-emp	formerly	bmi3	1.75
848	Self-emp	formerly	bmi1	1.82
849	Self-emp	formerly	bmi2	1.95
850	Self-emp	formerly	bmi2	2.04
851	Self-emp	formerly	bmi2	2.05
852	Self-emp	formerly	bmi3	1.87
853	Self-emp	formerly	bmi3	2.10
854	Self-emp	formerly	bmi1	2.09
855	Self-emp	formerly	bmi3	1.99
856	Self-emp	formerly	bmi1	1.92
857	Self-emp	formerly	bmi1	1.86
858	Self-emp	formerly	bmi2	1.75
859	Self-emp	formerly	bmi3	1.96
860	Self-emp	formerly	bmi3	2.37
861	Self-emp	formerly	bmi1	2.03
862	Self-emp	formerly	bmi2	1.83
863	Self-emp	formerly	bmi1	2.08
864	Self-emp	formerly	bmi3	2.02
865	Self-emp	formerly	bmi3	1.95
866	Self-emp	formerly	bmi1	2.01
867	Self-emp	formerly	bmi1	1.95
868	Self-emp	formerly	bmi2	2.34
869	Self-emp	formerly	bmi1	2.06
870	Self-emp	formerly	bmi3	2.07
871	Self-emp	formerly	bmi2	1.97
872	Self-emp	formerly	bmi2	2.04

	Self-emp	formerly	bmi2	2.01
874	Self-emp	formerly	bmi3	1.93
875	Self-emp	formerly	bmi2	1.78
876	Self-emp	formerly	bmi3	1.88
877	Self-emp	formerly	bmi1	2.16
878	Self-emp	formerly	bmi3	2.34
879	Self-emp	formerly	bmi2	2.01
880	Self-emp	formerly	bmi3	1.99
881	Self-emp	formerly	bmi2	1.94
882	Self-emp	formerly	bmi2	2.19
883	Self-emp	formerly	bmi1	1.83
884	Self-emp	formerly	bmi3	1.97
885	Self-emp	formerly	bmi3	2.30
886	Self-emp	formerly	bmi3	1.94
887	Self-emp	formerly	bmi3	2.09
888	Self-emp	formerly	bmi3	2.01
889	Self-emp	formerly	bmi2	2.31
890	Self-emp	formerly	bmi1	2.00
891	Self-emp	formerly	bmi1	1.84
892	Self-emp	formerly	bmi2	1.92
893	Self-emp	formerly	bmi3	2.01
894	Self-emp	formerly	bmi3	1.89
895	Self-emp	formerly	bmi2	1.95
896	Self-emp	formerly	bmi3	2.02
897	Self-emp	formerly	bmi1	2.05
898	Self-emp	formerly	bmi2	1.79
899	Self-emp	formerly	bmi3	1.93
900	Self-emp	formerly	bmi3	2.31

SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

Moments			
N	900	Sum Weights	900
Mean	2.00116667	Sum Observations	1801.05
Std Deviation	0.16733358	Variance	0.02800053
Skewness	0.85380883	Kurtosis	-0.0874705
Uncorrected SS	3629.3737	Corrected SS	25.172475
Coeff Variation	8.36180149	Std Error Mean	0.00557779

Basic Statistical Measures			
Location		Variability	
Mean	2.001167	Std Deviation	0.16733
Median	1.970000	Variance	0.02800
Mode	1.920000	Range	0.69000
		Interquartile Range	0.18500

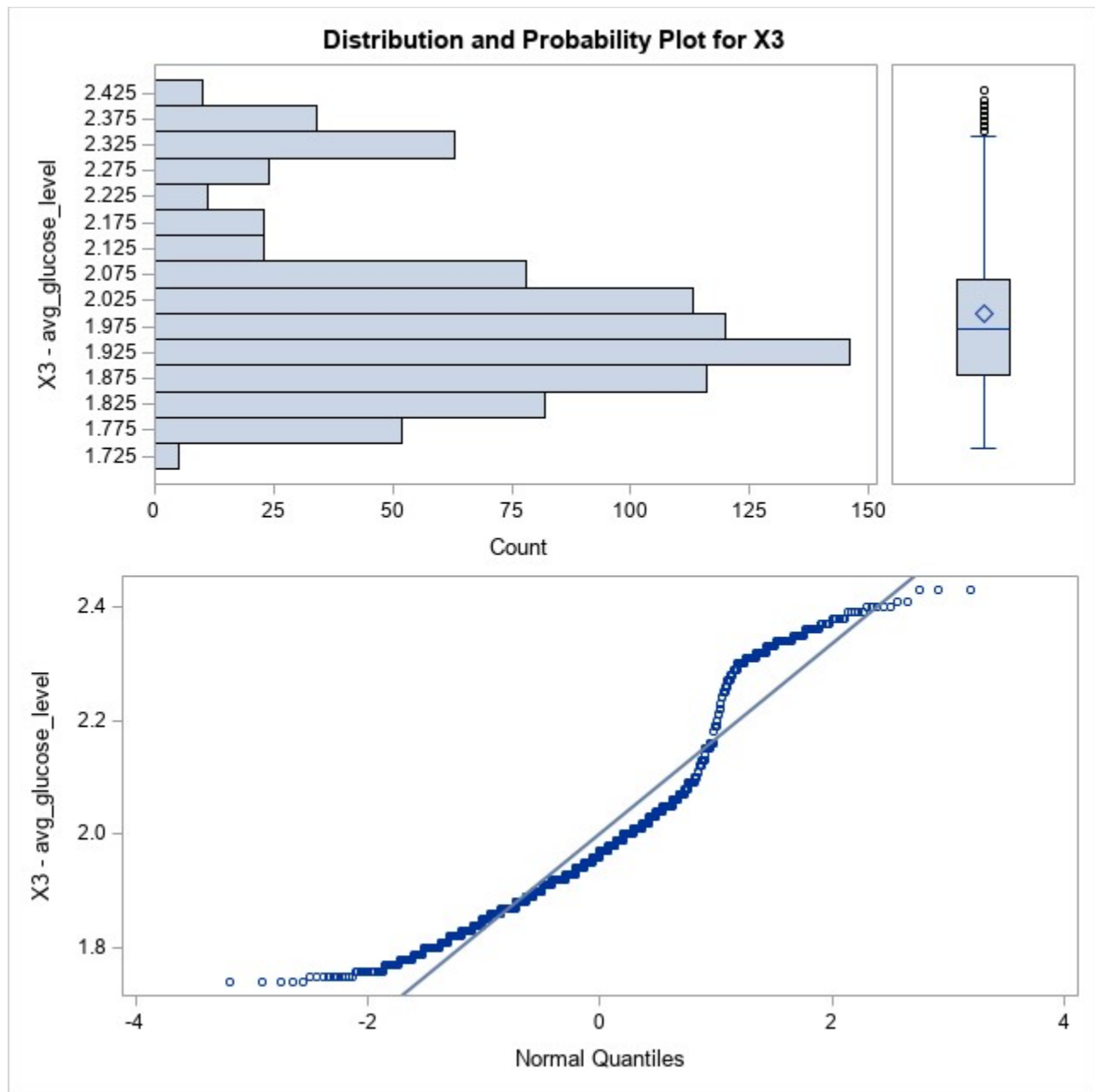
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	358.7744	Pr > t 	<.0001
Sign	M	450	Pr >= M 	<.0001
Signed Rank	S	202725	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.915232	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.120061	Pr > D	<0.0100
Cramer-von Mises	W-Sq	4.014309	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	25.85814	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.430
99%	2.400

95%	2.340
90%	2.310
75% Q3	2.065
50% Median	1.970
25% Q1	1.880
10%	1.820
5%	1.780
1%	1.750
0% Min	1.740

Extreme Observations			
Lowest		Highest	
Value	Obs	Value	Obs
1.74	707	2.41	84
1.74	647	2.41	550
1.74	250	2.43	185
1.74	98	2.43	427
1.74	15	2.43	681



SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

X1 - work_type=Govt_job

Moments			
N	300	Sum Weights	300
Mean	2.00916667	Sum Observations	602.75
Std Deviation	0.17019064	Variance	0.02896486
Skewness	0.78740235	Kurtosis	-0.2713361
Uncorrected SS	1219.6857	Corrected SS	8.66049167
Coeff Variation	8.47070809	Std Error Mean	0.00982596

Basic Statistical Measures			
Location		Variability	
Mean	2.009167	Std Deviation	0.17019
Median	1.970000	Variance	0.02896
Mode	1.920000	Range	0.69000
		Interquartile Range	0.18000

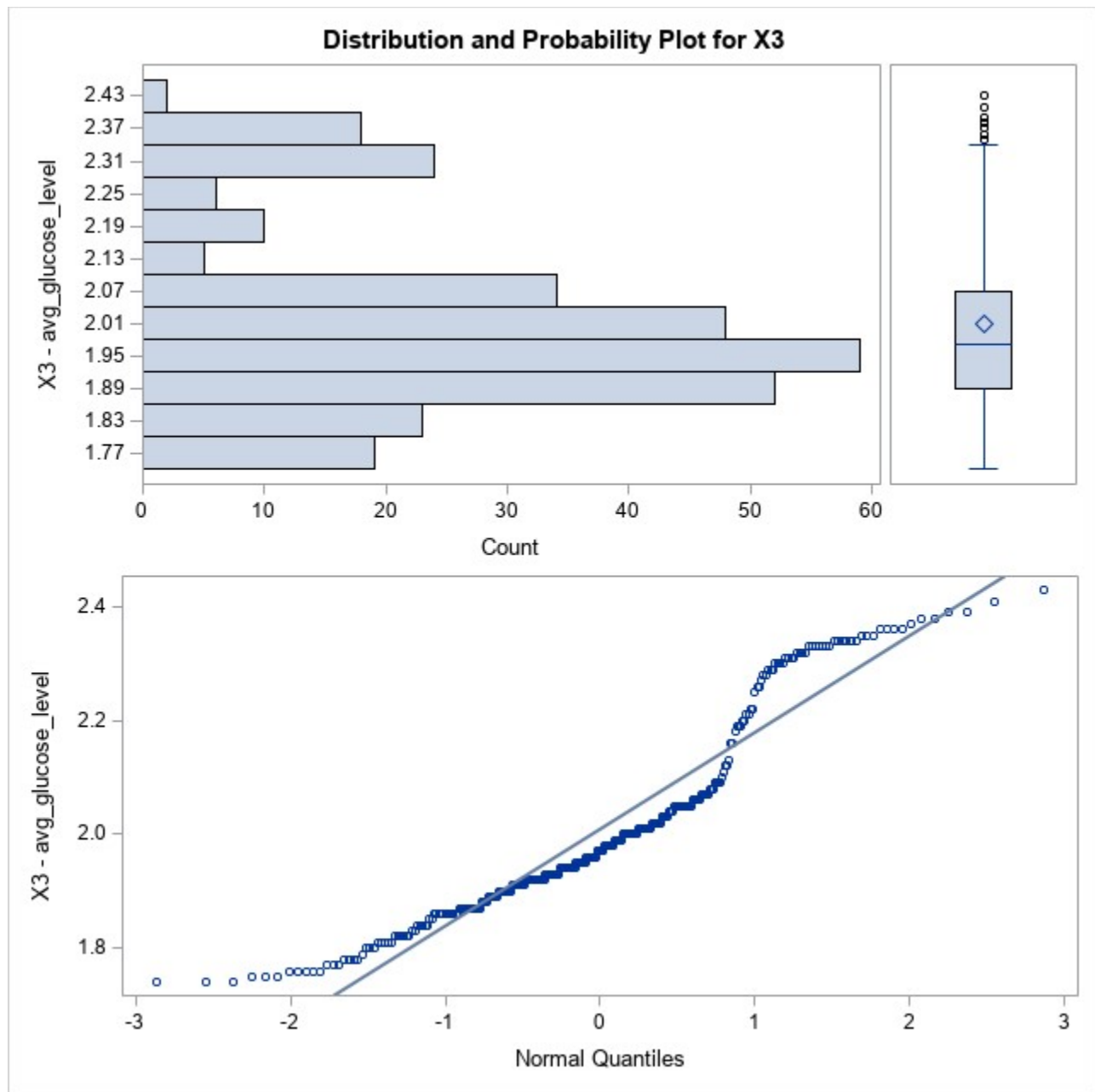
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	204.4753	Pr > t 	<.0001
Sign	M	150	Pr >= M 	<.0001
Signed Rank	S	22575	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.914844	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.128527	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.496414	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	9.251333	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.430

99%	2.390
95%	2.340
90%	2.320
75% Q3	2.070
50% Median	1.970
25% Q1	1.890
10%	1.820
5%	1.780
1%	1.745
0% Min	1.740

Extreme Observations					
Lowest			Highest		
Value	X1	Obs	Value	X1	Obs
1.74	Govt_job	250	2.38	Govt_job	169
1.74	Govt_job	98	2.39	Govt_job	8
1.74	Govt_job	15	2.39	Govt_job	143
1.75	Govt_job	245	2.41	Govt_job	84
1.75	Govt_job	236	2.43	Govt_job	185



SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

X1 - work_type=Private

Moments			
N	300	Sum Weights	300
Mean	1.9927	Sum Observations	597.81
Std Deviation	0.16338715	Variance	0.02669536
Skewness	0.95881567	Kurtosis	0.26310834
Uncorrected SS	1199.2379	Corrected SS	7.981913
Coeff Variation	8.19928495	Std Error Mean	0.00943316

Basic Statistical Measures			
Location		Variability	
Mean	1.992700	Std Deviation	0.16339
Median	1.960000	Variance	0.02670
Mode	1.920000	Range	0.68000
		Interquartile Range	0.18000

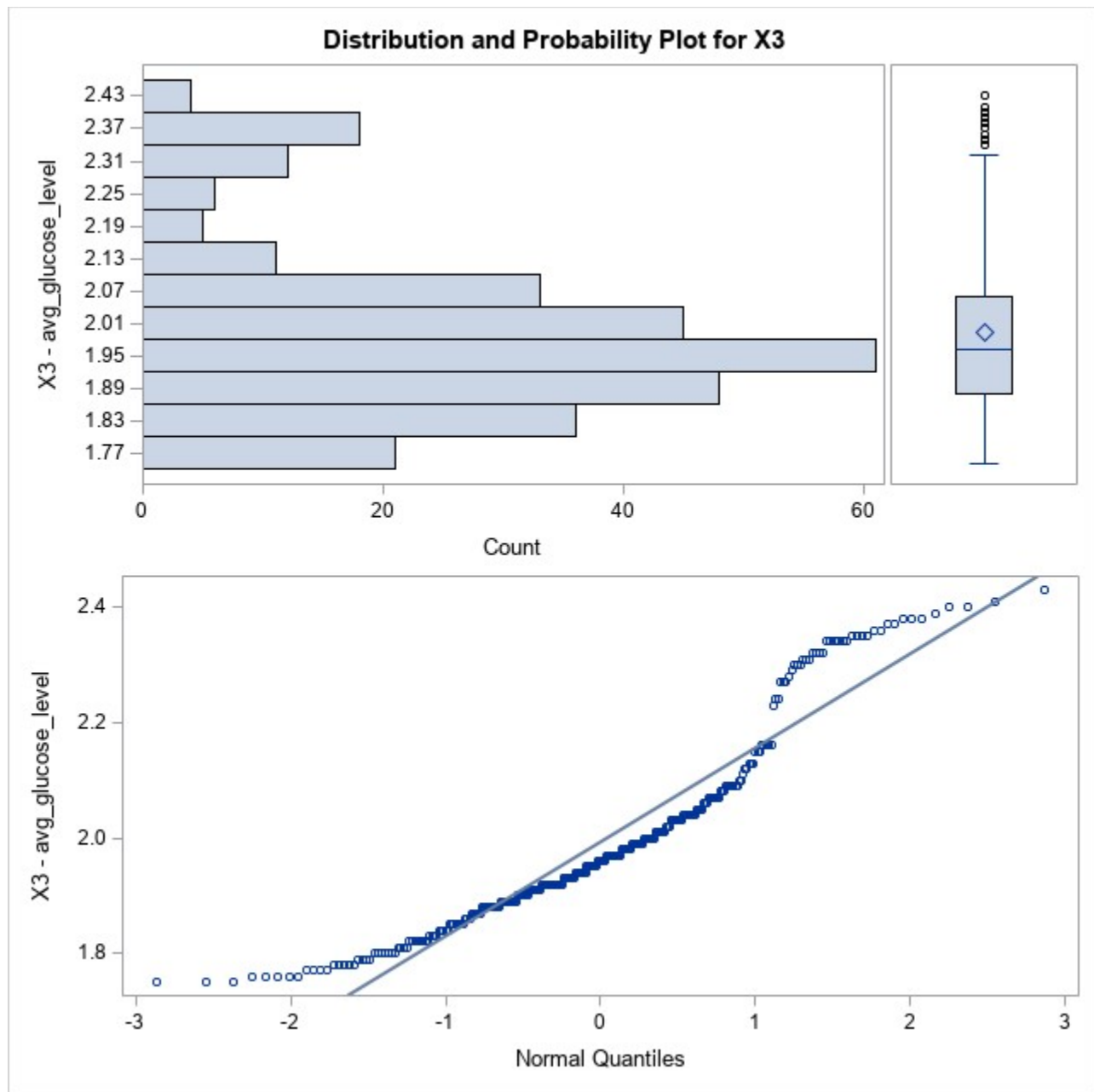
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	211.2441	Pr > t 	<.0001
Sign	M	150	Pr >= M 	<.0001
Signed Rank	S	22575	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.909431	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.121171	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.303415	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	8.624195	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.430

99%	2.400
95%	2.350
90%	2.300
75% Q3	2.060
50% Median	1.960
25% Q1	1.880
10%	1.810
5%	1.780
1%	1.755
0% Min	1.750

Extreme Observations					
Lowest			Highest		
Value	X1	Obs	Value	X1	Obs
1.75	Private	482	2.39	Private	538
1.75	Private	390	2.40	Private	463
1.75	Private	382	2.40	Private	518
1.76	Private	586	2.41	Private	550
1.76	Private	567	2.43	Private	427



SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

X1 - work_type=Self-emp

Moments			
N	300	Sum Weights	300
Mean	2.00163333	Sum Observations	600.49
Std Deviation	0.16850017	Variance	0.02839231
Skewness	0.82800064	Kurtosis	-0.1676714
Uncorrected SS	1210.4501	Corrected SS	8.48929967
Coeff Variation	8.41813359	Std Error Mean	0.00972836

Basic Statistical Measures			
Location		Variability	
Mean	2.001633	Std Deviation	0.16850
Median	1.970000	Variance	0.02839
Mode	1.870000	Range	0.69000
		Interquartile Range	0.19500

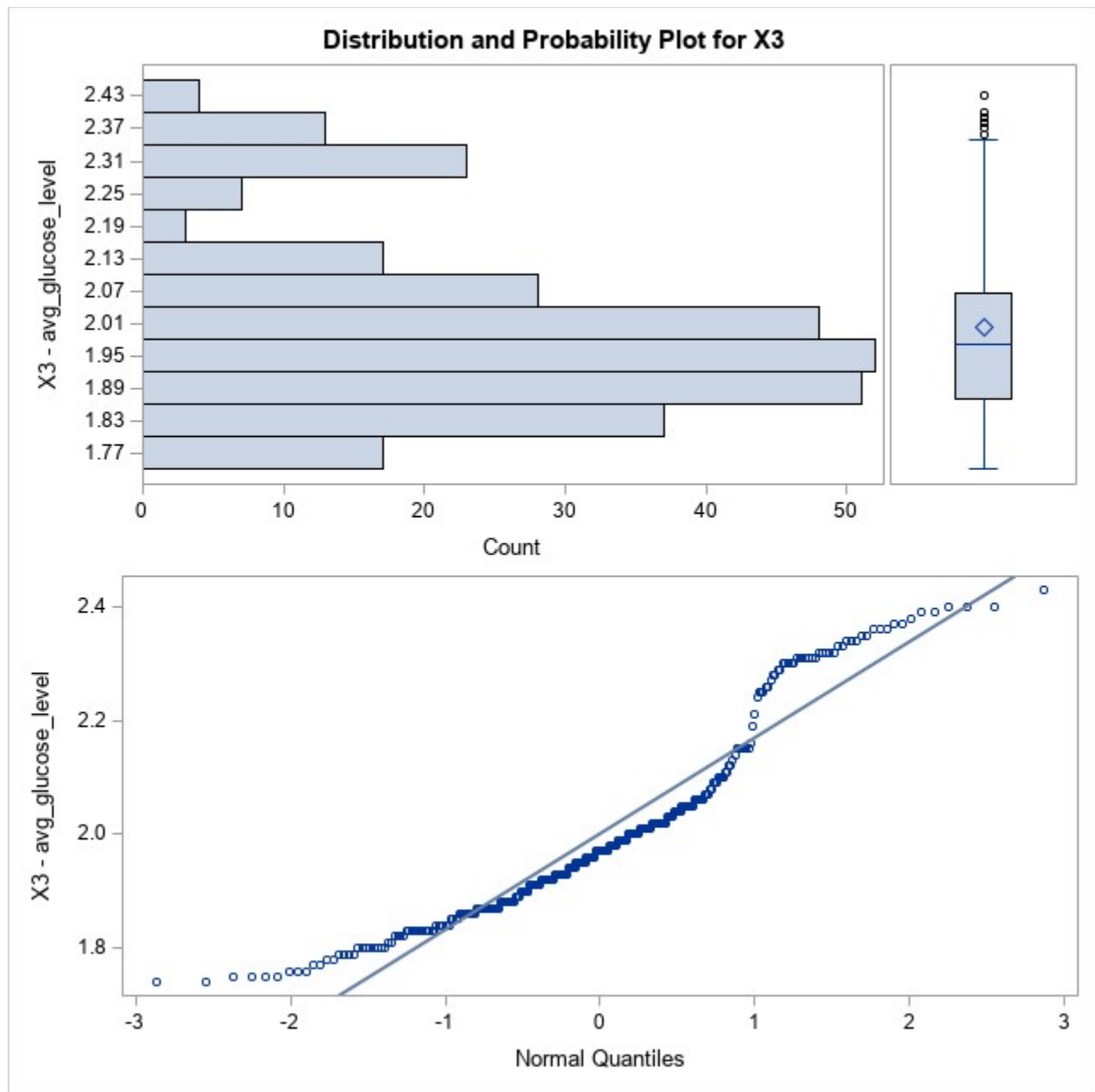
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	205.7524	Pr > t 	<.0001
Sign	M	150	Pr >= M 	<.0001
Signed Rank	S	22575	Pr >= S 	<.0001

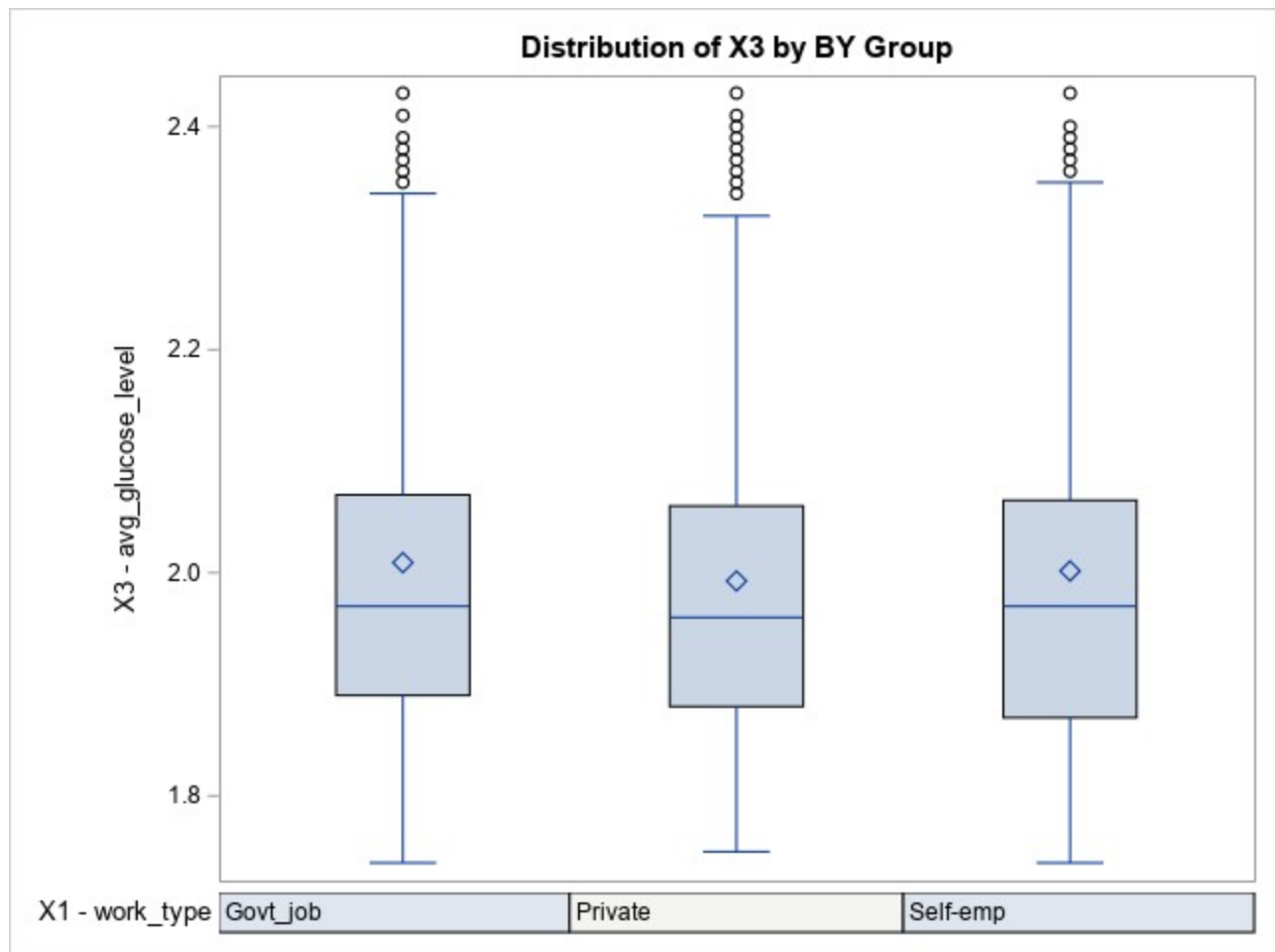
Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.917521	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.123268	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.263472	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	8.283251	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.430

99%	2.400
95%	2.340
90%	2.310
75% Q3	2.065
50% Median	1.970
25% Q1	1.870
10%	1.820
5%	1.790
1%	1.750
0% Min	1.740

Extreme Observations					
Lowest			Highest		
Value	X1	Obs	Value	X1	Obs
1.74	Self-emp	707	2.39	Self-emp	738
1.74	Self-emp	647	2.40	Self-emp	626
1.75	Self-emp	858	2.40	Self-emp	679
1.75	Self-emp	847	2.40	Self-emp	699
1.75	Self-emp	745	2.43	Self-emp	681





SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

X2 - smoking_status=formerly

Moments			
N	300	Sum Weights	300
Mean	2.00346667	Sum Observations	601.04
Std Deviation	0.17217665	Variance	0.0296448
Skewness	0.826414	Kurtosis	-0.1932796
Uncorrected SS	1213.0274	Corrected SS	8.86379467
Coeff Variation	8.59393626	Std Error Mean	0.00994062

Basic Statistical Measures			
Location		Variability	
Mean	2.003467	Std Deviation	0.17218
Median	1.970000	Variance	0.02964
Mode	1.920000	Range	0.67000
		Interquartile Range	0.17500

Note: The mode displayed is the smallest of 2 modes with a count of 13.

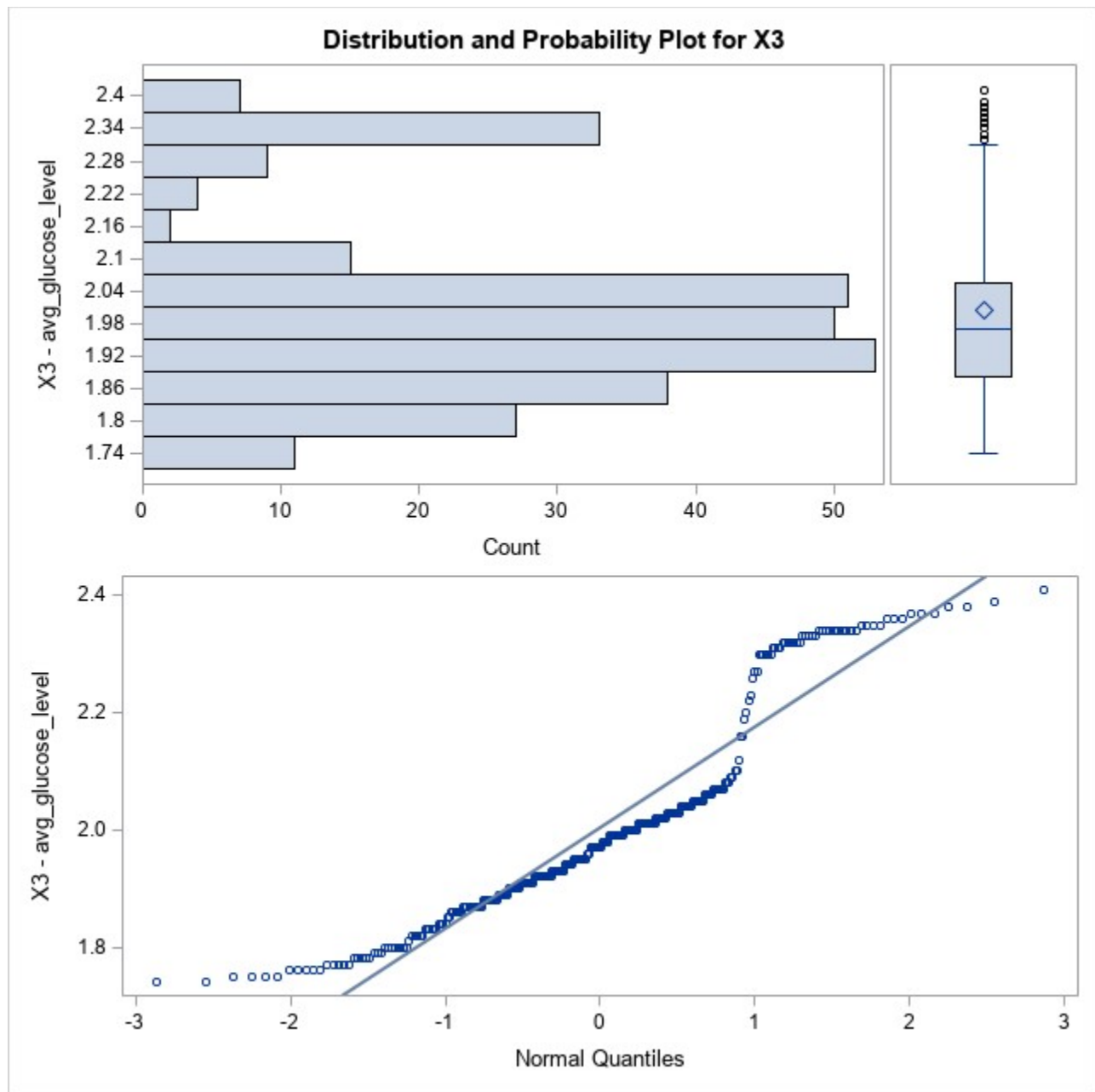
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	201.5434	Pr > t 	<.0001
Sign	M	150	Pr >= M 	<.0001
Signed Rank	S	22575	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.900891	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.143478	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.584463	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	10.48518	Pr > A-Sq	<0.0050

Quantiles (Definition 5)

Level	Quantile
100% Max	2.410
99%	2.380
95%	2.340
90%	2.320
75% Q3	2.055
50% Median	1.970
25% Q1	1.880
10%	1.800
5%	1.770
1%	1.750
0% Min	1.740

Extreme Observations					
Lowest			Highest		
Value	X2	Obs	Value	X2	Obs
1.74	formerly	98	2.37	formerly	260
1.74	formerly	15	2.38	formerly	34
1.75	formerly	258	2.38	formerly	139
1.75	formerly	247	2.39	formerly	8
1.75	formerly	190	2.41	formerly	84



SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

X2 - smoking_status=never_sm

Moments			
N	300	Sum Weights	300
Mean	1.99713333	Sum Observations	599.14
Std Deviation	0.16443818	Variance	0.02703992
Skewness	0.86460692	Kurtosis	-0.1545221
Uncorrected SS	1204.6474	Corrected SS	8.08493467
Coeff Variation	8.23371069	Std Error Mean	0.00949384

Basic Statistical Measures			
Location		Variability	
Mean	1.997133	Std Deviation	0.16444
Median	1.950000	Variance	0.02704
Mode	1.920000	Range	0.69000
		Interquartile Range	0.20500

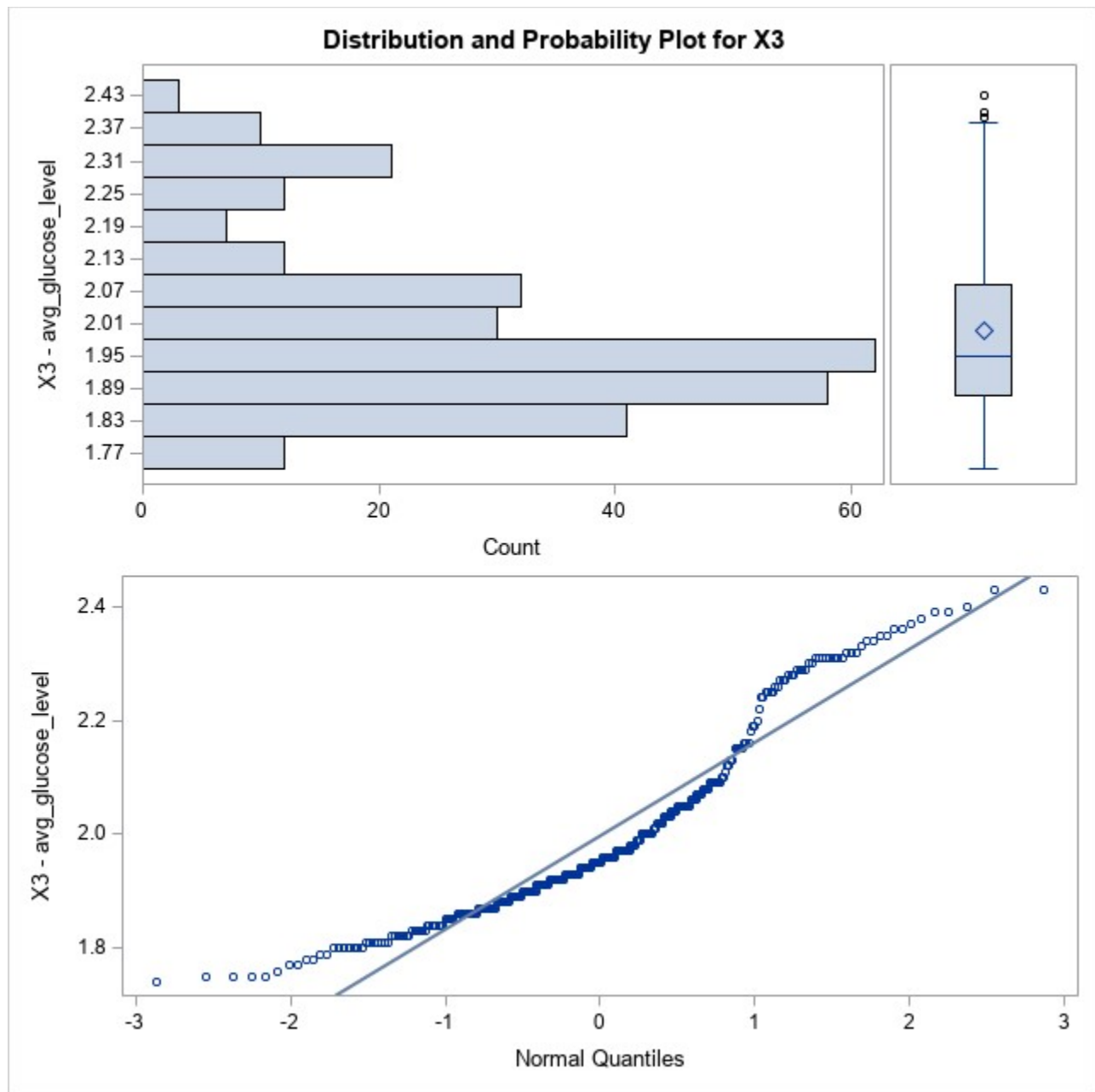
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	210.3609	Pr > t 	<.0001
Sign	M	150	Pr >= M 	<.0001
Signed Rank	S	22575	Pr >= S 	<.0001

Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.914606	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.142197	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.461118	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	8.935183	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.430

99%	2.395
95%	2.320
90%	2.290
75% Q3	2.080
50% Median	1.950
25% Q1	1.875
10%	1.820
5%	1.800
1%	1.750
0% Min	1.740

Extreme Observations					
Lowest			Highest		
Value	X2	Obs	Value	X2	Obs
1.74	never_sm	507	2.39	never_sm	343
1.75	never_sm	545	2.39	never_sm	538
1.75	never_sm	523	2.40	never_sm	463
1.75	never_sm	482	2.43	never_sm	385
1.75	never_sm	386	2.43	never_sm	427



SAS Program for RBF-33 Design

The UNIVARIATE Procedure
Variable: X3 (X3 - avg_glucose_level)

X2 - smoking_status=smokes

Moments			
N	300	Sum Weights	300
Mean	2.0029	Sum Observations	600.87
Std Deviation	0.16576948	Variance	0.02747952
Skewness	0.8779054	Kurtosis	0.11842509
Uncorrected SS	1211.6989	Corrected SS	8.216377
Coeff Variation	8.2764733	Std Error Mean	0.00957071

Basic Statistical Measures			
Location		Variability	
Mean	2.002900	Std Deviation	0.16577
Median	1.970000	Variance	0.02748
Mode	1.920000	Range	0.69000
		Interquartile Range	0.17500

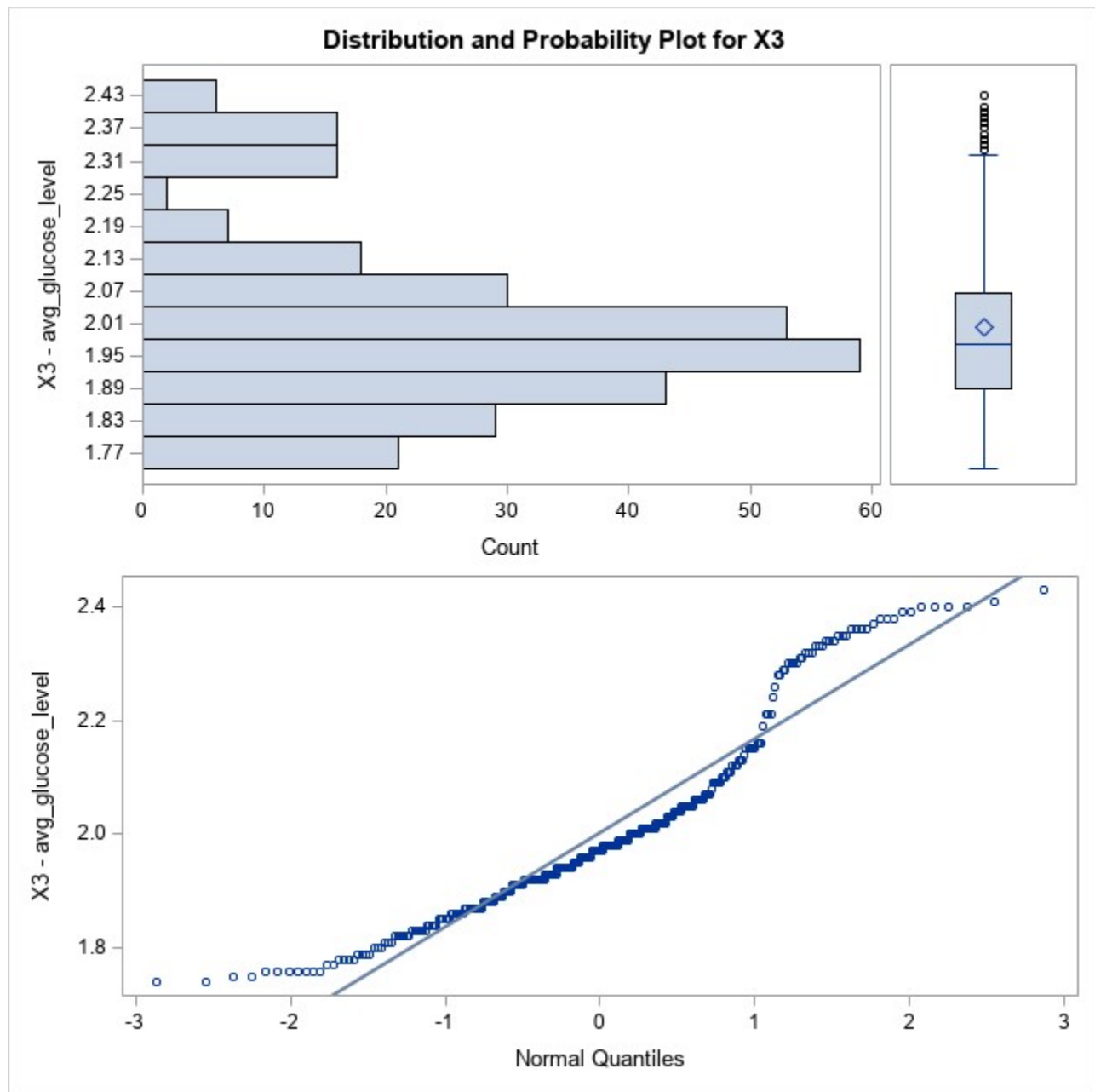
Tests for Location: Mu0=0				
Test	Statistic		p Value	
Student's t	t	209.274	Pr > t 	<.0001
Sign	M	150	Pr >= M 	<.0001
Signed Rank	S	22575	Pr >= S 	<.0001

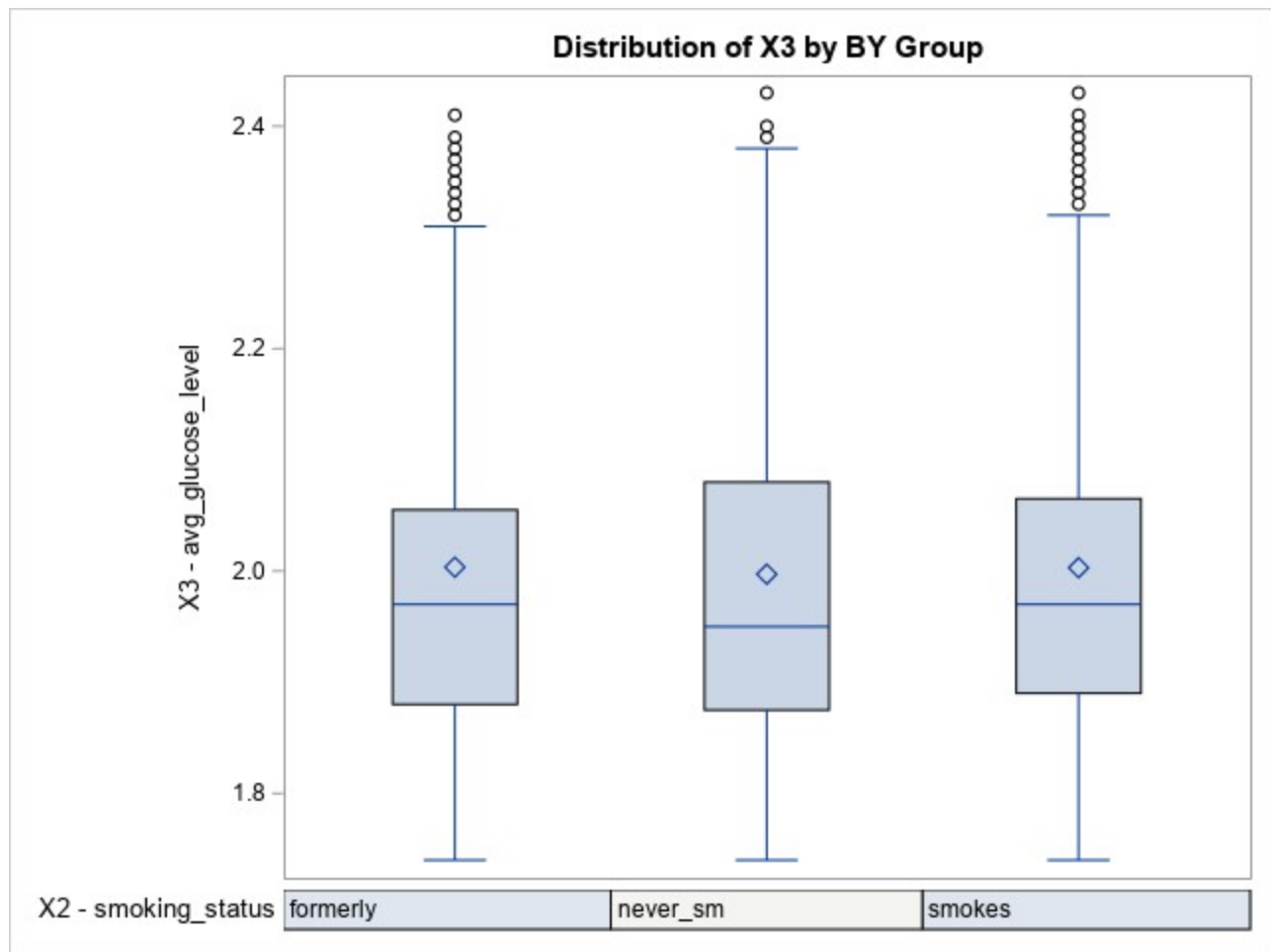
Tests for Normality				
Test	Statistic		p Value	
Shapiro-Wilk	W	0.919783	Pr < W	<0.0001
Kolmogorov-Smirnov	D	0.125587	Pr > D	<0.0100
Cramer-von Mises	W-Sq	1.191934	Pr > W-Sq	<0.0050
Anderson-Darling	A-Sq	7.74695	Pr > A-Sq	<0.0050

Quantiles (Definition 5)	
Level	Quantile
100% Max	2.430

99%	2.400
95%	2.360
90%	2.305
75% Q3	2.065
50% Median	1.970
25% Q1	1.890
10%	1.820
5%	1.780
1%	1.750
0% Min	1.740

Extreme Observations					
Lowest			Highest		
Value	X2	Obs	Value	X2	Obs
1.74	smokes	847	2.40	smokes	826
1.74	smokes	650	2.40	smokes	879
1.75	smokes	645	2.40	smokes	899
1.75	smokes	636	2.41	smokes	750
1.76	smokes	894	2.43	smokes	881





SAS Program for RBF-33 Design

The MEANS Procedure

X1 - work_type=Govt_job X2 - smoking_status=formerly

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	2.0231000	0.1825338	1.7400000	2.4100000

X1 - work_type=Govt_job X2 - smoking_status=never_sm

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	2.0189000	0.1717227	1.7500000	2.4300000

X1 - work_type=Govt_job X2 - smoking_status=smokes

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	1.9855000	0.1543208	1.7400000	2.3600000

X1 - work_type=Private X2 - smoking_status=formerly

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	1.9815000	0.1701834	1.7500000	2.3800000

X1 - work_type=Private X2 - smoking_status=never_sm

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	1.9915000	0.1493175	1.7500000	2.4300000

X1 - work_type=Private X2 - smoking_status=smokes

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	2.0051000	0.1705398	1.7600000	2.4100000

X1 - work_type=Self-emp X2 - smoking_status=formerly

Analysis Variable : X3 X3 - avg_glucose_level				
---	--	--	--	--

N	Mean	Std Dev	Minimum	Maximum
100	2.0058000	0.1623886	1.7500000	2.3700000

X1 - work_type=Self-emp X2 - smoking_status=never_sm

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	1.9810000	0.1706109	1.7400000	2.3900000

X1 - work_type=Self-emp X2 - smoking_status=smokes

Analysis Variable : X3 X3 - avg_glucose_level				
N	Mean	Std Dev	Minimum	Maximum
100	2.0181000	0.1719037	1.7400000	2.4300000

SAS Program for RBF-33 Design

The GLM Procedure

Class Level Information		
Class	Levels	Values
blck_bmi	3	bmi1 bmi2 bmi3
X1	3	Govt_job Private Self-emp
X2	3	formerly never_sm smokes

Number of Observations Read	900
Number of Observations Used	900

SAS Program for RBF-33 Design

The GLM Procedure

Dependent Variable: X3 X3 - avg_glucose_level

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	10	0.66447326	0.06644733	2.41	0.0079
Error	889	24.50800174	0.02756806		
Corrected Total	899	25.17247500			

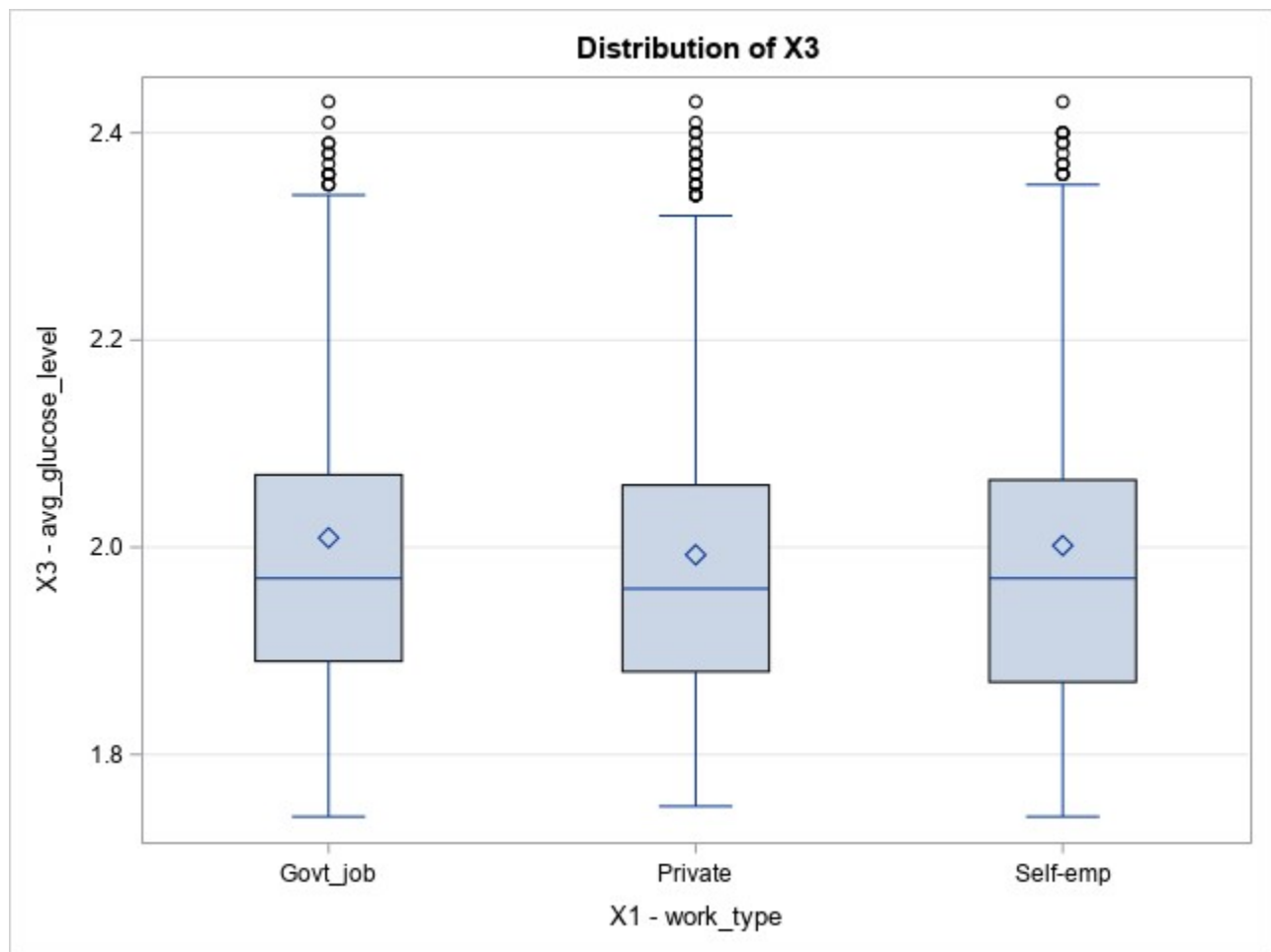
R-Square	Coeff Var	Root MSE	X3 Mean
0.026397	8.296976	0.166036	2.001167

Source	DF	Type I SS	Mean Square	F Value	Pr > F
blck_bmi	2	0.43472842	0.21736421	7.88	0.0004
X1	2	0.03223122	0.01611561	0.58	0.5576
X2	2	0.00847031	0.00423516	0.15	0.8576
X1*X2	4	0.18904331	0.04726083	1.71	0.1447

Source	DF	Type III SS	Mean Square	F Value	Pr > F
blck_bmi	2	0.43931526	0.21965763	7.97	0.0004
X1	2	0.03212367	0.01606183	0.58	0.5586
X2	2	0.00848980	0.00424490	0.15	0.8573
X1*X2	4	0.18904331	0.04726083	1.71	0.1447

SAS Program for RBF-33 Design

The GLM Procedure



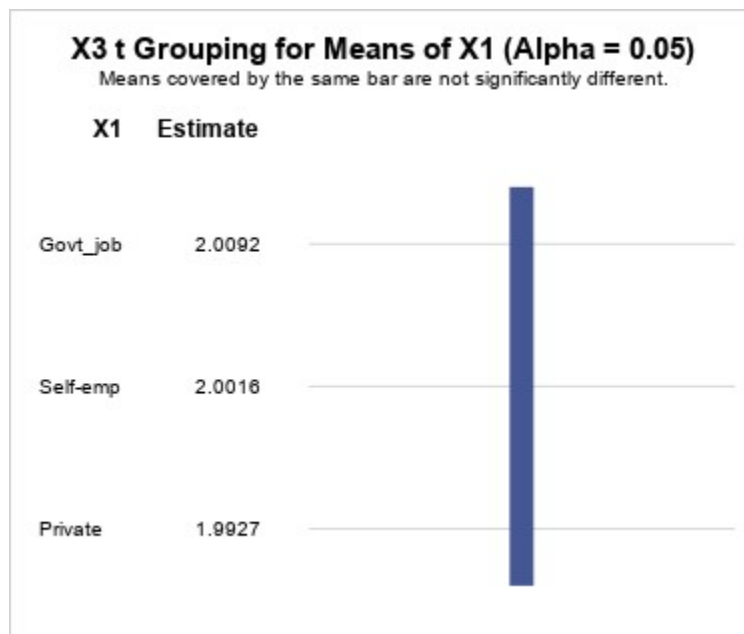
SAS Program for RBF-33 Design

The GLM Procedure

t Tests (LSD) for X3

Note: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568
Critical Value of t	1.96264
Least Significant Difference	0.0266



SAS Program for RBF-33 Design

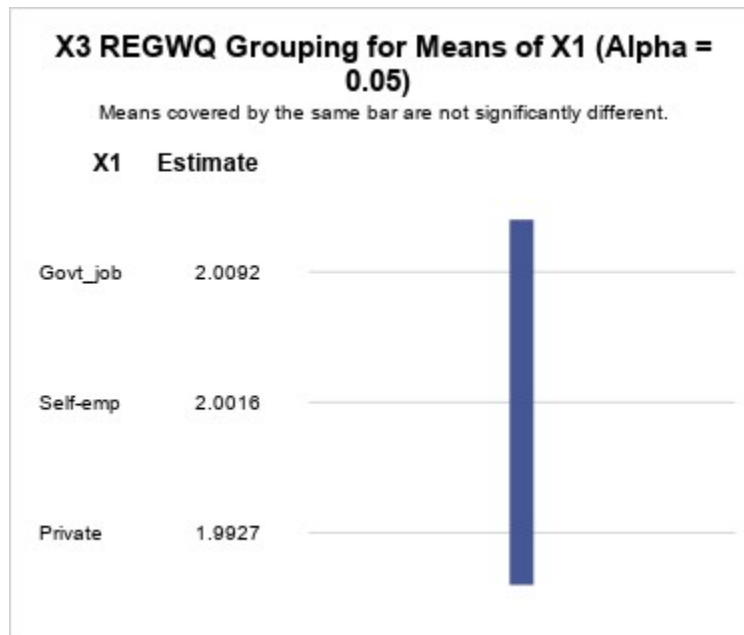
The GLM Procedure

Ryan-Einot-Gabriel-Welsch Multiple Range Test for X3

Note: This test controls the Type I experimentwise error rate.

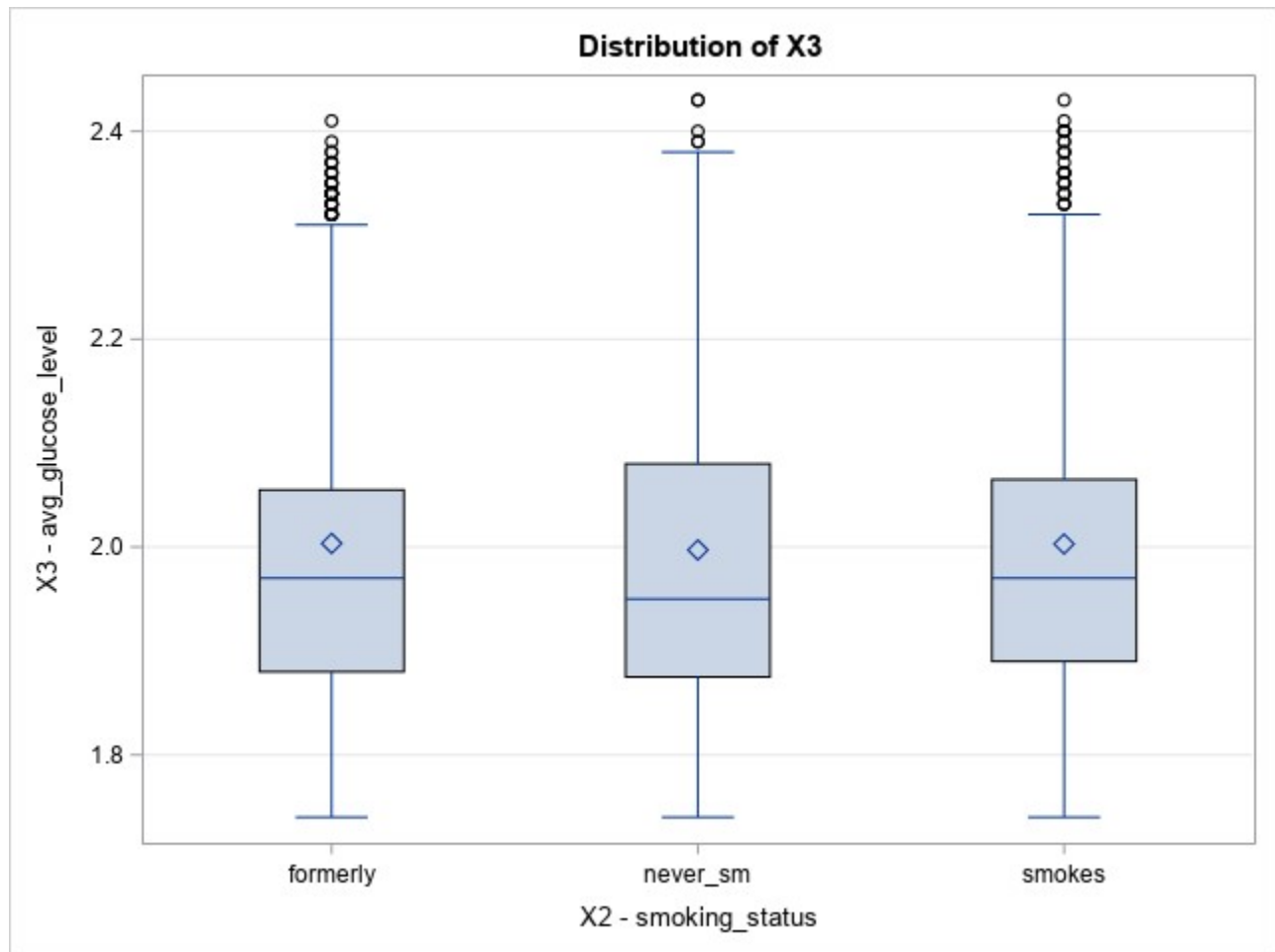
Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568

Number of Means	2	3
Critical Range	0.0266071	0.0318265



SAS Program for RBF-33 Design

The GLM Procedure



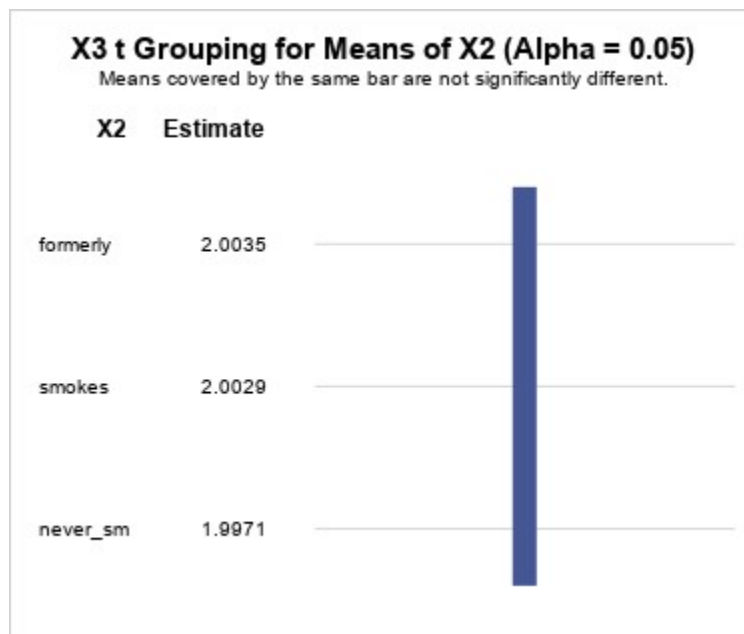
SAS Program for RBF-33 Design

The GLM Procedure

t Tests (LSD) for X3

Note: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568
Critical Value of t	1.96264
Least Significant Difference	0.0266



SAS Program for RBF-33 Design

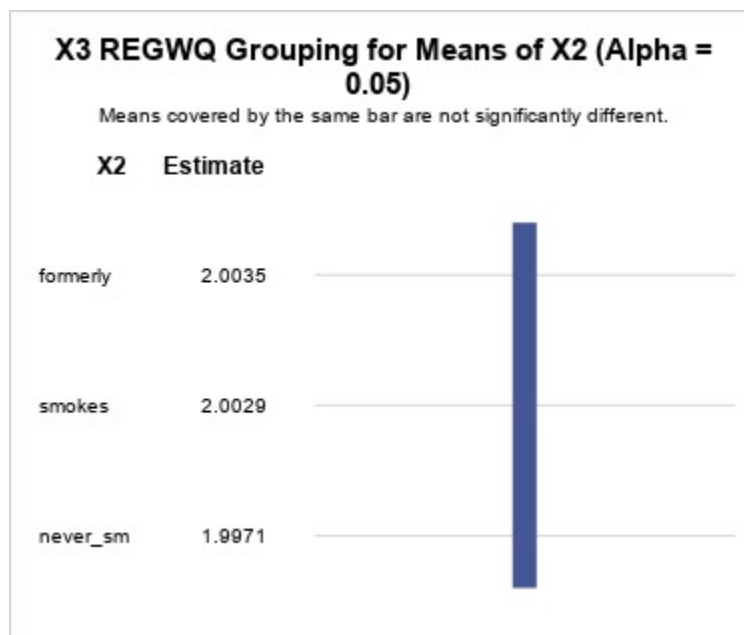
The GLM Procedure

Ryan-Einot-Gabriel-Welsch Multiple Range Test for X3

Note: This test controls the Type I experimentwise error rate.

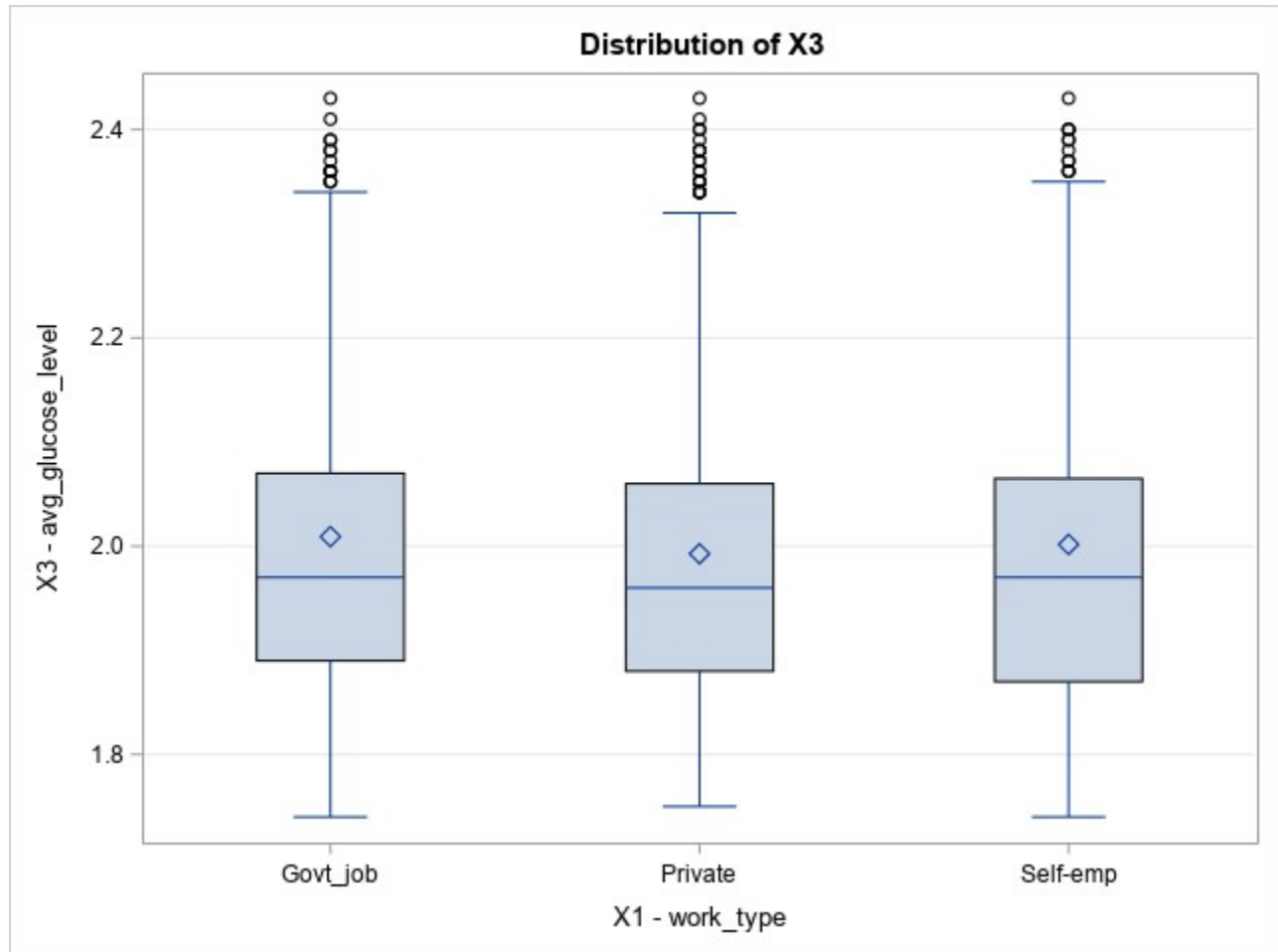
Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568

Number of Means	2	3
Critical Range	0.0266071	0.0318265

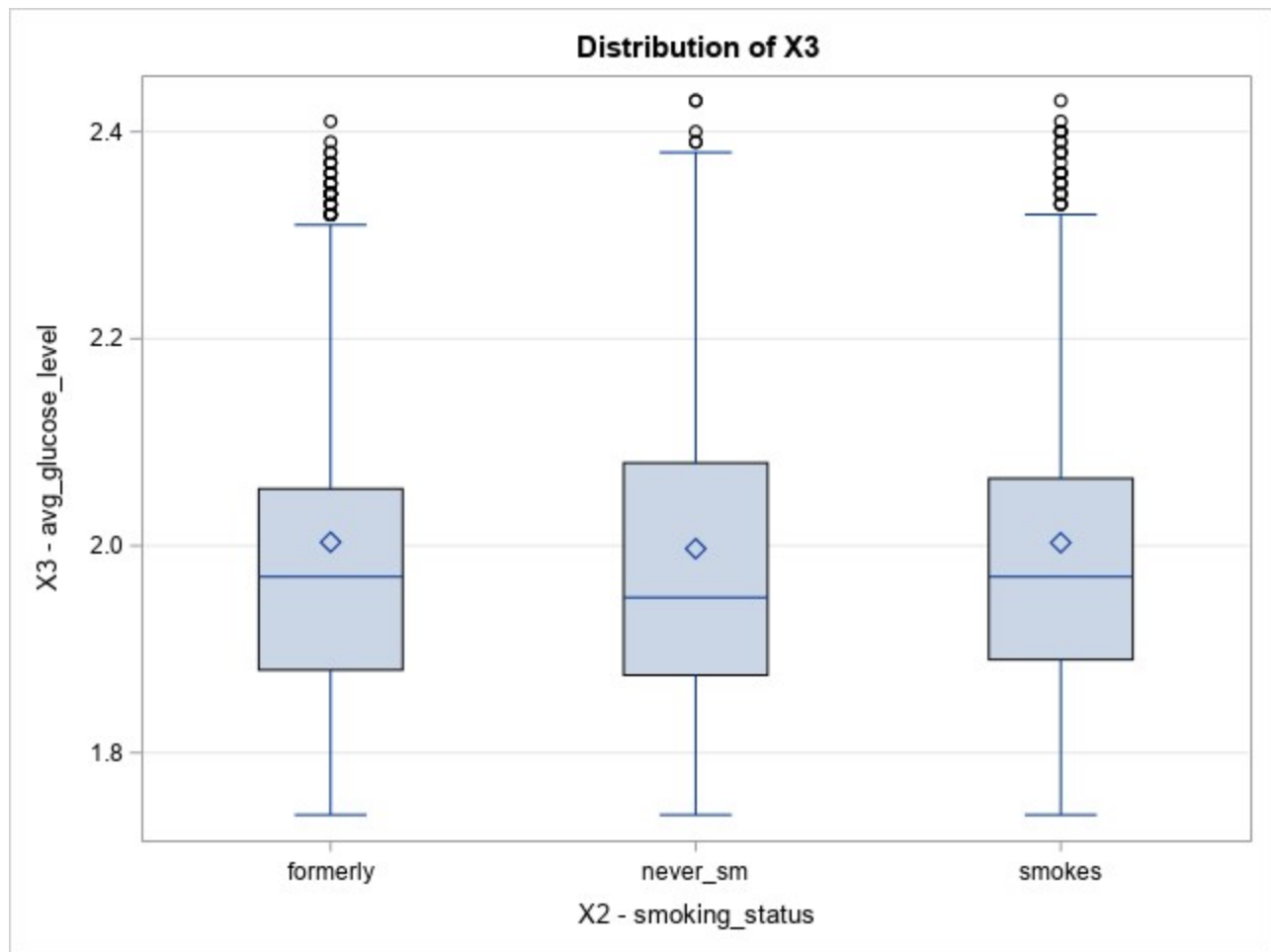


SAS Program for RBF-33 Design

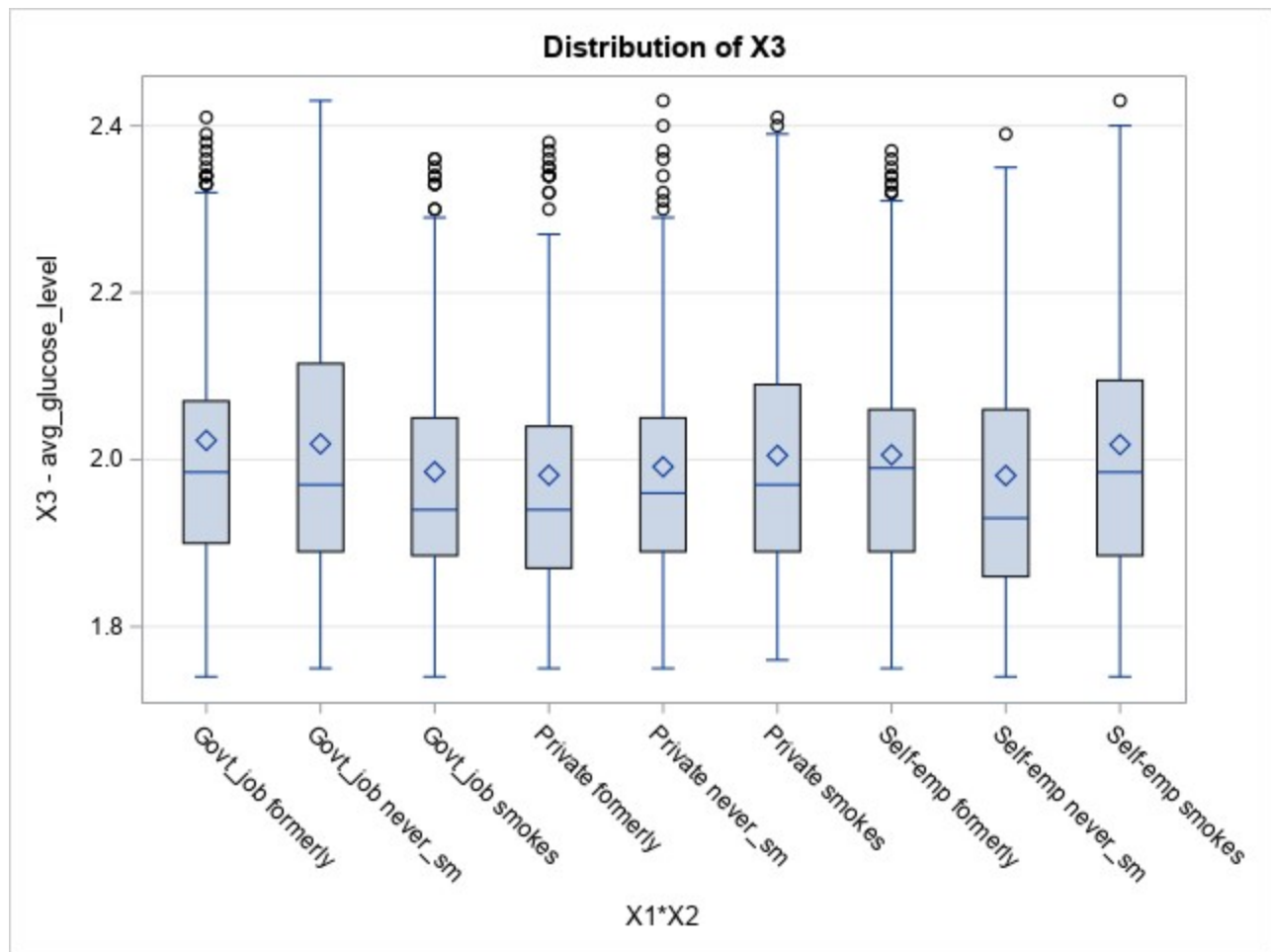
The GLM Procedure



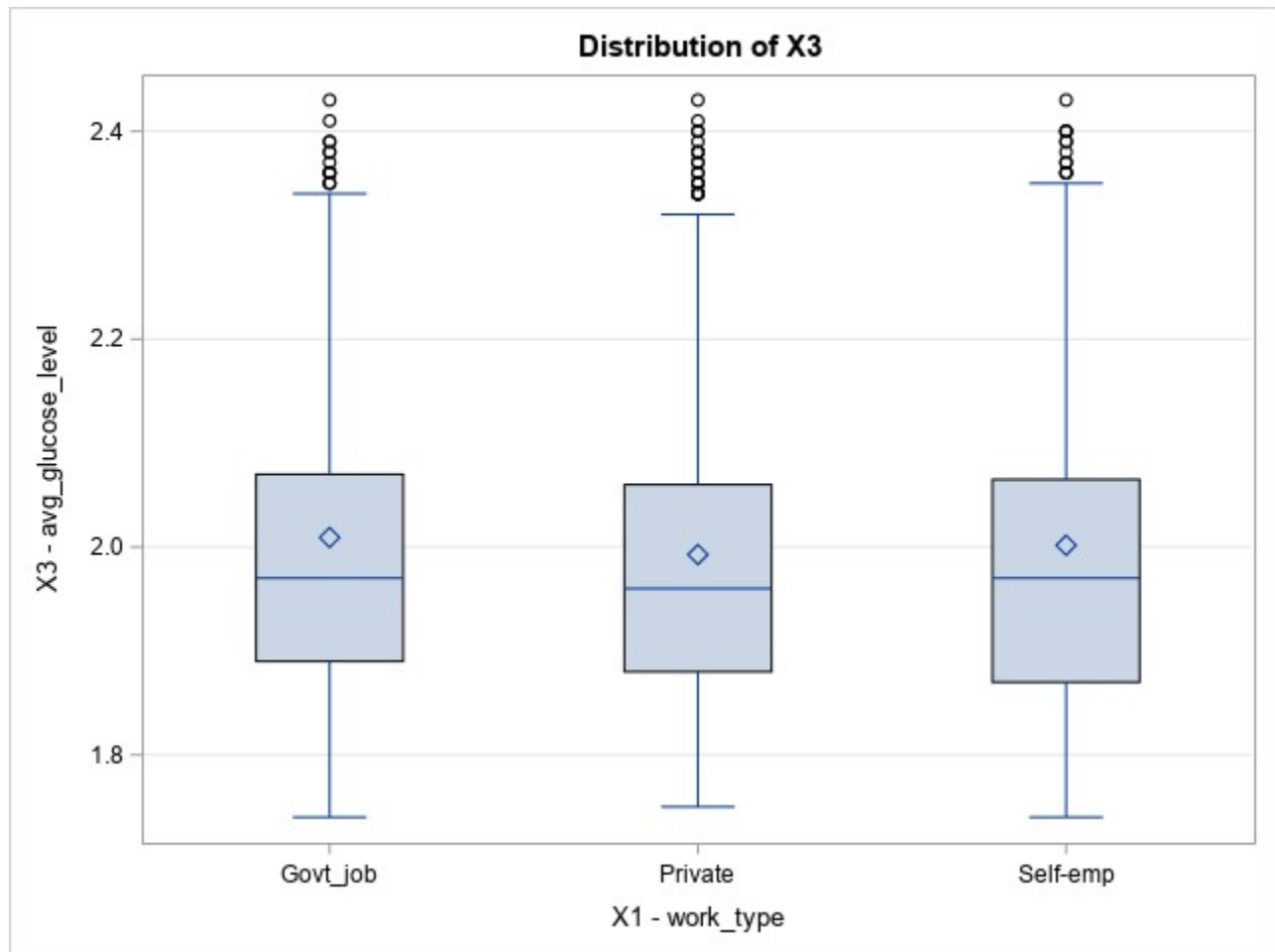
Level of X1	N	X3	
		Mean	Std Dev
Govt_job	300	2.00916667	0.17019064
Private	300	1.99270000	0.16338715
Self-emp	300	2.00163333	0.16850017



Level of X2	N	X3	
		Mean	Std Dev
formerly	300	2.00346667	0.17217665
never_sm	300	1.99713333	0.16443818
smokes	300	2.00290000	0.16576948



Level of X1	Level of X2	N	X3	
			Mean	Std Dev
Govt_job	formerly	100	2.02310000	0.18253377
Govt_job	never_sm	100	2.01890000	0.17172267
Govt_job	smokes	100	1.98550000	0.15432077
Private	formerly	100	1.98150000	0.17018335
Private	never_sm	100	1.99150000	0.14931747
Private	smokes	100	2.00510000	0.17053981
Self-emp	formerly	100	2.00580000	0.16238861
Self-emp	never_sm	100	1.98100000	0.17061090
Self-emp	smokes	100	2.01810000	0.17190375

SAS Program for RBF-33 Design**The GLM Procedure**

SAS Program for RBF-33 Design

The GLM Procedure

t Tests (LSD) for X3

Note: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568
Critical Value of t	1.96264
Least Significant Difference	0.0266

Comparisons significant at the 0.05 level are indicated by ***.				
X1 Comparison	Difference Between Means	95% Confidence Limits		
Govt_job - Self-emp	0.00753	-0.01907	0.03414	
Govt_job - Private	0.01647	-0.01014	0.04307	
Self-emp - Govt_job	-0.00753	-0.03414	0.01907	
Self-emp - Private	0.00893	-0.01767	0.03554	
Private - Govt_job	-0.01647	-0.04307	0.01014	
Private - Self-emp	-0.00893	-0.03554	0.01767	

SAS Program for RBF-33 Design

The GLM Procedure

Bonferroni (Dunn) t Tests for X3

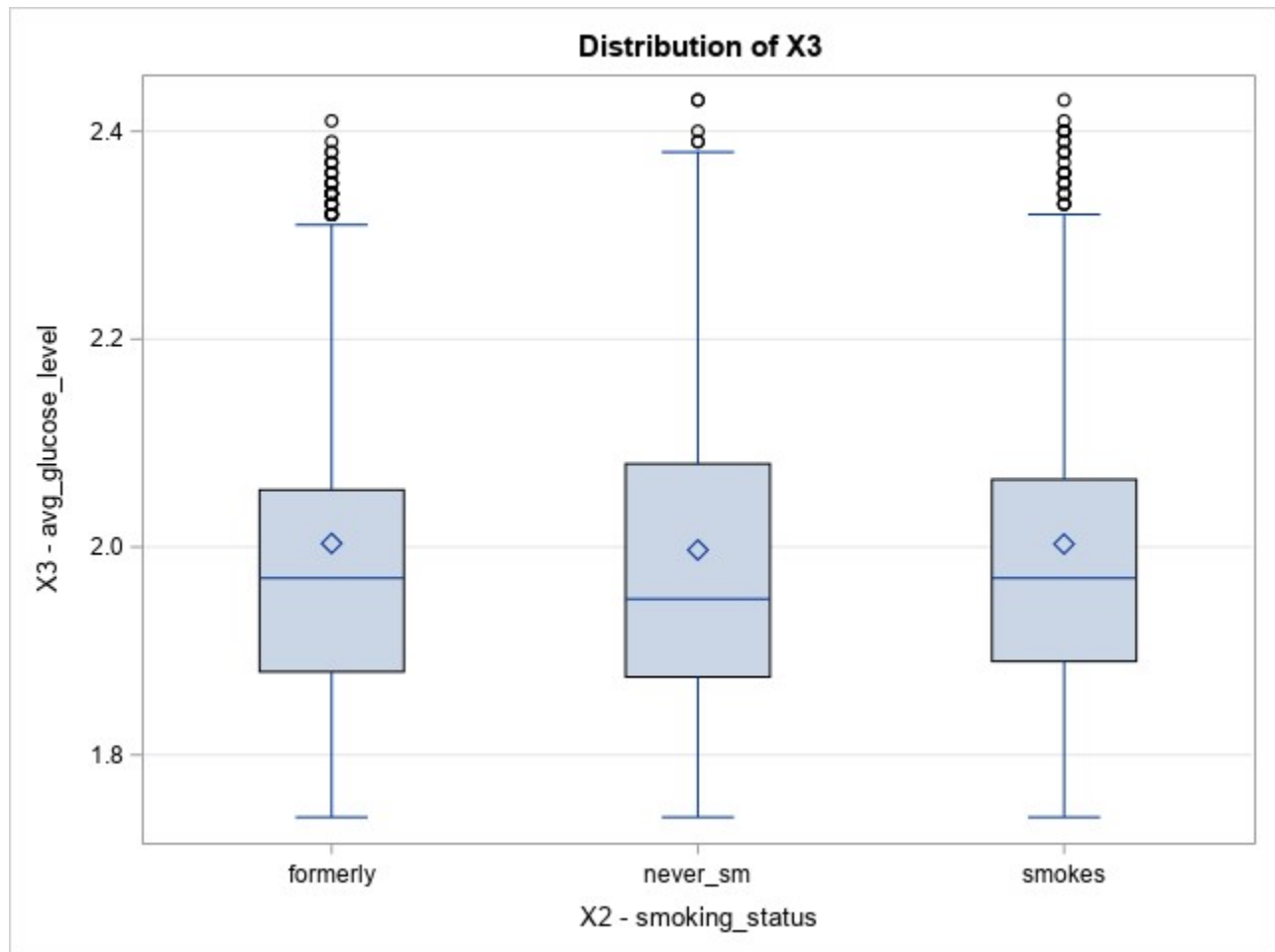
Note: This test controls the Type I experimentwise error rate, but it generally has a higher Type II error rate than Tukey's for all pairwise comparisons.

Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568
Critical Value of t	2.39852
Minimum Significant Difference	0.0325

Comparisons significant at the 0.05 level are indicated by ***.				
X1 Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
Govt_job - Self-emp	0.00753	-0.02498	0.04005	
Govt_job - Private	0.01647	-0.01605	0.04898	
Self-emp - Govt_job	-0.00753	-0.04005	0.02498	
Self-emp - Private	0.00893	-0.02358	0.04145	
Private - Govt_job	-0.01647	-0.04898	0.01605	
Private - Self-emp	-0.00893	-0.04145	0.02358	

SAS Program for RBF-33 Design

The GLM Procedure



SAS Program for RBF-33 Design

The GLM Procedure

t Tests (LSD) for X3

Note: This test controls the Type I comparisonwise error rate, not the experimentwise error rate.

Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568
Critical Value of t	1.96264
Least Significant Difference	0.0266

Comparisons significant at the 0.05 level are indicated by ***.				
X2 Comparison	Difference Between Means	95% Confidence Limits		
formerly - smokes	0.000567	-0.026040	0.027174	
formerly - never_sm	0.006333	-0.020274	0.032940	
smokes - formerly	-0.000567	-0.027174	0.026040	
smokes - never_sm	0.005767	-0.020840	0.032374	
never_sm - formerly	-0.006333	-0.032940	0.020274	
never_sm - smokes	-0.005767	-0.032374	0.020840	

SAS Program for RBF-33 Design

The GLM Procedure

Bonferroni (Dunn) t Tests for X3

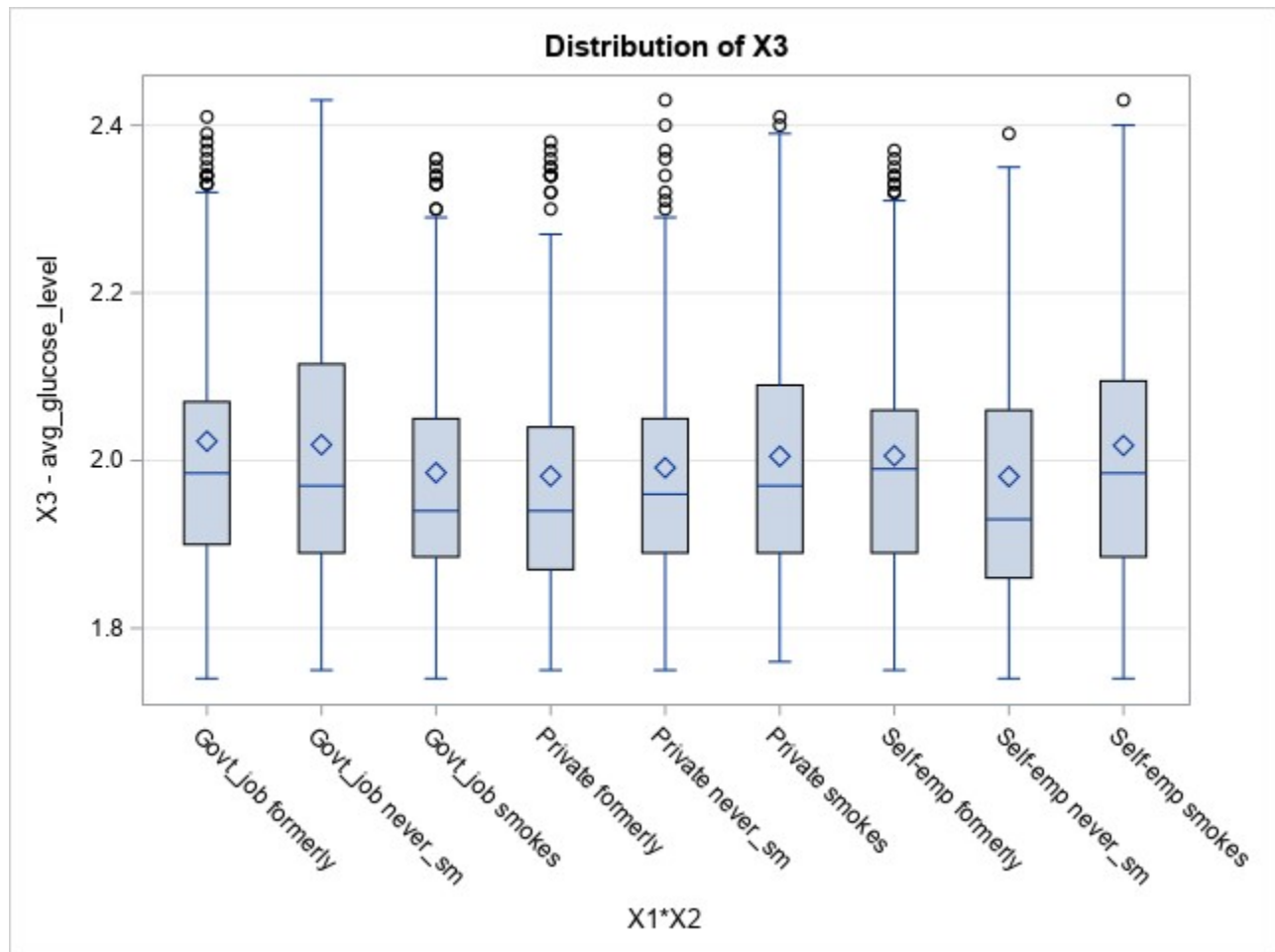
Note: This test controls the Type I experimentwise error rate, but it generally has a higher Type II error rate than Tukey's for all pairwise comparisons.

Alpha	0.05
Error Degrees of Freedom	889
Error Mean Square	0.027568
Critical Value of t	2.39852
Minimum Significant Difference	0.0325

Comparisons significant at the 0.05 level are indicated by ***.				
X2 Comparison	Difference Between Means	Simultaneous 95% Confidence Limits		
formerly - smokes	0.000567	-0.031950	0.033083	
formerly - never_sm	0.006333	-0.026183	0.038850	
smokes - formerly	-0.000567	-0.033083	0.031950	
smokes - never_sm	0.005767	-0.026750	0.038283	
never_sm - formerly	-0.006333	-0.038850	0.026183	
never_sm - smokes	-0.005767	-0.038283	0.026750	

SAS Program for RBF-33 Design

The GLM Procedure



Level of X1	Level of X2	N	X3	
			Mean	Std Dev
Govt_job	formerly	100	2.02310000	0.18253377
Govt_job	never_sm	100	2.01890000	0.17172267
Govt_job	smokes	100	1.98550000	0.15432077
Private	formerly	100	1.98150000	0.17018335
Private	never_sm	100	1.99150000	0.14931747
Private	smokes	100	2.00510000	0.17053981
Self-emp	formerly	100	2.00580000	0.16238861
Self-emp	never_sm	100	1.98100000	0.17061090
Self-emp	smokes	100	2.01810000	0.17190375