

Name	Type	Width	Decimals	Label	Values	Missing	Columns	Align	Measure
id	Numeric	9	0	Faculty ID	None	None	8	Right	Scale
preaward17	Numeric	20	0	Preaward satisf...	{1, Below Expectations}...	None	8	Right	Ordinal
postaward17	Numeric	20	0	Postaward sati...	{1, Below Expectations}...	None	8	Right	Ordinal
dept17	Numeric	20	0	Departmental s...	{1, Below Expectations}...	None	8	Right	Ordinal
inst17	Numeric	20	0	Institutional sati...	{1, Below Expectations}...	None	8	Right	Ordinal
preaward18	Numeric	20	0	Preaward satisf...	{1, Below Expectations}...	None	8	Right	Ordinal
postaward18	Numeric	20	0	Postaward sati...	{1, Below Expectations}...	None	8	Right	Ordinal
dept18	Numeric	20	0	Departmental s...	{1, Below Expectations}...	None	8	Right	Ordinal
inst18	Numeric	20	0	Institutional sati...	{1, Below Expectations}...	None	8	Right	Ordinal
chair	Numeric	9	0	Chair	None	None	8	Right	Scale
rasunit	Numeric	31	0	RAS Unit	{1, ABOSS}...	None	8	Right	Nominal
awardnum	Numeric	10	0	Number of awar...	None	None	8	Right	Scale
awardtotal	Numeric	10	2	Total awards in \$	None	None	8	Right	Scale
award	Numeric	9	0	Received award	None	None	8	Right	Scale
proposalnum	Numeric	10	0	Number of prop...	None	None	8	Right	Scale
proposaltotal	Numeric	10	2	Total proposals...	None	None	8	Right	Scale
proposal	Numeric	9	0	Submitted prop...	None	None	8	Right	Scale
doctortype	Numeric	21	0	Type of doctora...	{0, No doctoral degree}...	None	8	Right	Nominal
age	Numeric	10	2	Age	None	None	8	Right	Scale
female	Numeric	10	0	Female	{0, Male}...	None	8	Right	Scale
ethnicgrp	Numeric	15	0	Ethnic group	{0, White}...	None	8	Right	Nominal
white	Numeric	9	0	White	None	None	8	Right	Scale
asian	Numeric	9	0	Asian	None	None	8	Right	Scale
yos	Numeric	10	2	Years of service	None	None	8	Right	Scale
nMtg	Numeric	9	0	Number of enga...	None	None	8	Right	Scale
dMtg	Numeric	9	0	Engagement (tr...	None	None	8	Right	Scale
tenuretrack	Numeric	9	0	Tenure track	None	None	8	Right	Scale

(Figure 1)

Case Processing Summary

	Cases					
	Included		Excluded		Total	
	N	Percent	N	Percent	N	Percent
Preaward satisfaction - 2017	218	100.0%	0	0.0%	218	100.0%
Postaward satisfactoin - 2017	218	100.0%	0	0.0%	218	100.0%
Departmental satisfaction - 2017	218	100.0%	0	0.0%	218	100.0%
Institutional satisfaction - 2017	218	100.0%	0	0.0%	218	100.0%
Preaward satisfaction - 2018	218	100.0%	0	0.0%	218	100.0%
Postaward satisfactoin - 2018	218	100.0%	0	0.0%	218	100.0%
Departmental satisfaction - 2018	218	100.0%	0	0.0%	218	100.0%
Institutional satisfaction - 2018	218	100.0%	0	0.0%	218	100.0%

(Figure 2)

Paired Samples Statistics

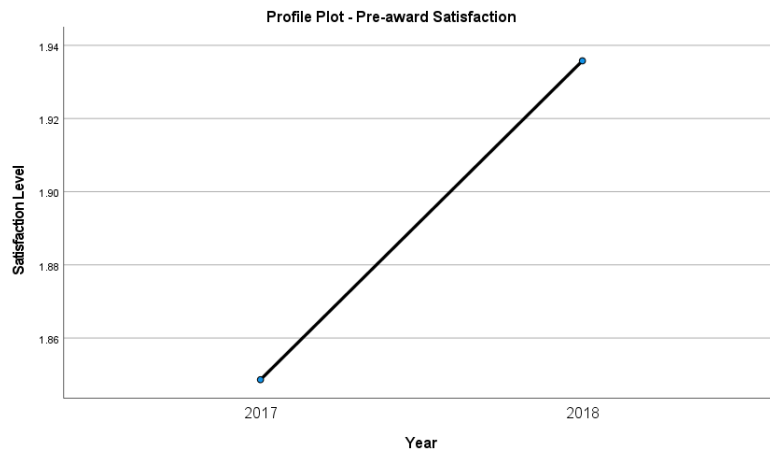
	Mean	N	Std. Deviation	Std. Error Mean
Pair 1 Preaward satisfaction - 2017	1.85	218	.679	.046
Preaward satisfaction - 2018	1.94	218	.759	.051

(Figure 3)

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
Pair 1	Preaward satisfaction - 2017 - Preaward satisfaction - 2018	-.087	1.033	.070	-.225	.051	-1.246	217	.214

(Figure 4)



(Figure 5)

Paired Samples Statistics

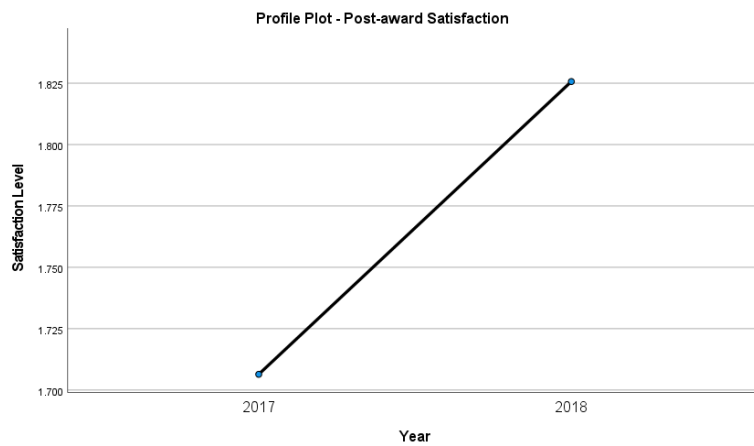
		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Postaward satisfactoin - 2017	1.71	218	.683	.046
	Postaward satisfactoin - 2018	1.83	218	.754	.051

(Figure 6)

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
Pair 1	Postaward satisfactoin - 2017 - Postaward satisfactoin - 2018	-.119	1.071	.073	Lower	Upper	-1.644	217	.102

(Figure 7)



(Figure 8)

Paired Samples Statistics

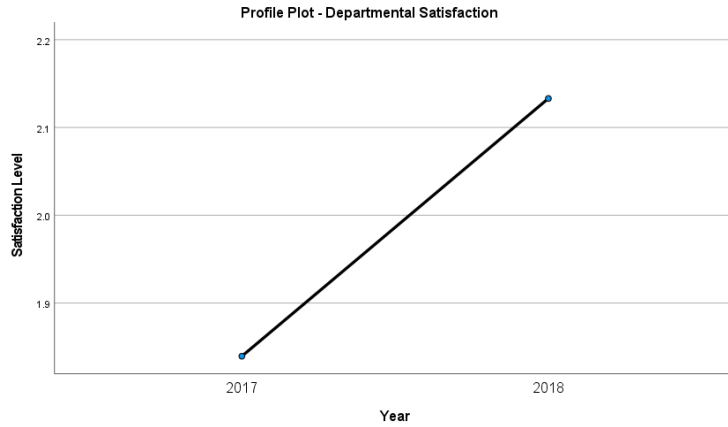
		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Departmental satisfaction - 2017	1.84	218	.642	.043
	Departmental satisfaction - 2018	2.13	218	.683	.046

(Figure 9)

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Departmental satisfaction - 2017 - Departmental satisfaction - 2018	-.294	.968	.066	-.423	-.164	-4.479	217	<.001

(Figure 10)



(Figure 11)

Paired Samples Statistics

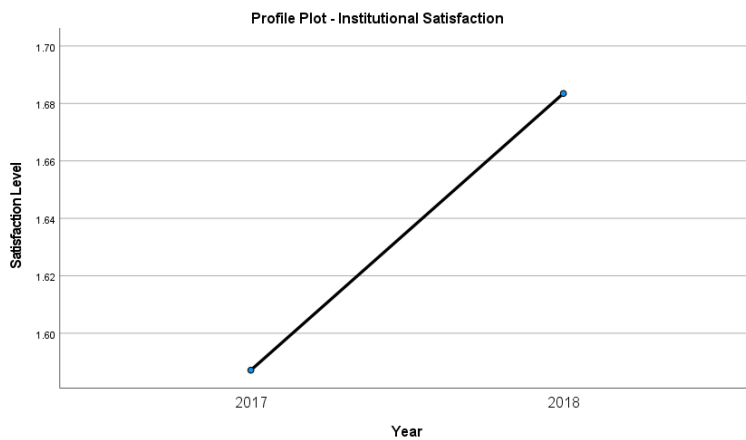
		Mean	N	Std. Deviation	Std. Error Mean
Pair 1	Institutional satisfaction - 2017	1.59	218	.603	.041
	Institutional satisfaction - 2018	1.68	218	.709	.048

(Figure 12)

Paired Samples Test

		Paired Differences							
		Mean	Std. Deviation	Std. Error Mean	95% Confidence Interval of the Difference		t	df	Sig. (2-tailed)
					Lower	Upper			
Pair 1	Institutional satisfaction - 2017 - Institutional satisfaction - 2018	-.096	.981	.066	-.227	.035	-1.449	217	.149

(Figure 13)



(Figure 14)

1. Female

Measure: MEASURE_1

Female	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Male	1.843	.042	1.760	1.925
Female	1.987	.058	1.873	2.100

(Figure 15)

2. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.859	.048	1.764	1.955
2	1.970	.054	1.864	2.076

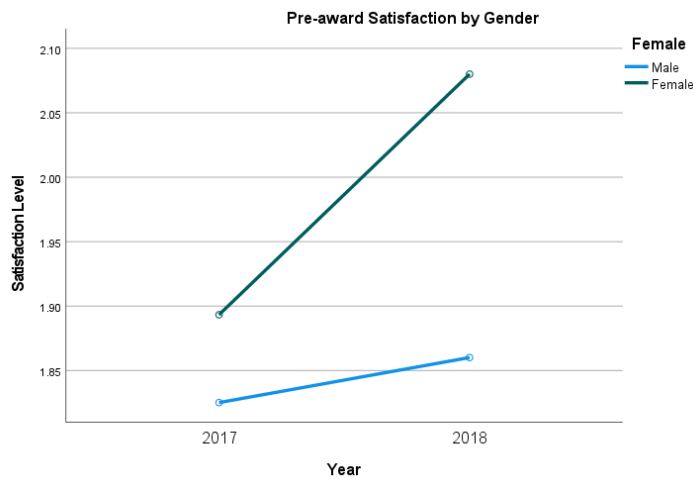
(Figure 16)

3. Female * factor1

Measure: MEASURE_1

Female	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Male	1	1.825	.057	1.713	1.937
	2	1.860	.063	1.736	1.984
Female	1	1.893	.078	1.739	2.048
	2	2.080	.087	1.908	2.252

(Figure 17)



(Figure 18)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	1.208	1	1.208	2.267	.134
	Greenhouse-Geisser	1.208	1.000	1.208	2.267	.134
	Huynh-Feldt	1.208	1.000	1.208	2.267	.134
	Lower-bound	1.208	1.000	1.208	2.267	.134
factor1 * female	Sphericity Assumed	.566	1	.566	1.062	.304
	Greenhouse-Geisser	.566	1.000	.566	1.062	.304
	Huynh-Feldt	.566	1.000	.566	1.062	.304
	Lower-bound	.566	1.000	.566	1.062	.304
Error(factor1)	Sphericity Assumed	115.106	216	.533		
	Greenhouse-Geisser	115.106	216.000	.533		
	Huynh-Feldt	115.106	216.000	.533		
	Lower-bound	115.106	216.000	.533		

(Figure 19)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	factor1	Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	1.208	1	1.208	2.267	.134
factor1 * female	Linear	.566	1	.566	1.062	.304
Error(factor1)	Linear	115.106	216	.533		

(Figure 20)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1442.830	1	1442.830	2901.972	<.001
female	2.041	1	2.041	4.104	.044
Error	107.393	216	.497		

(Figure 21)

1. Female

Measure: MEASURE_1

Female	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Male	1.745	.040	1.666	1.824
Female	1.807	.055	1.697	1.916

(Figure 22)

2. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.691	.049	1.595	1.787
2	1.861	.053	1.756	1.966

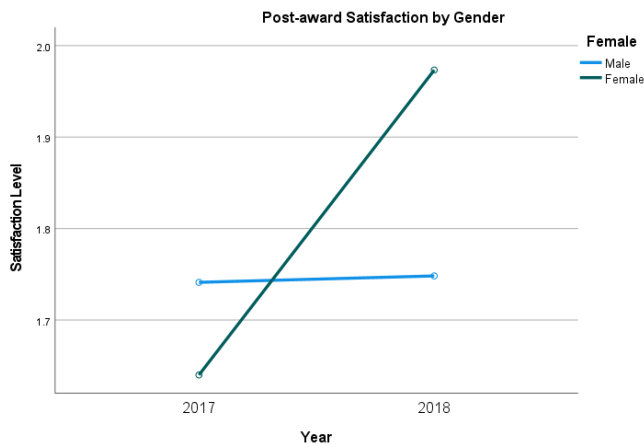
(Figure 23)

3. Female * factor1

Measure: MEASURE_1

Female	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Male	1	1.741	.057	1.629	1.854
	2	1.748	.063	1.625	1.872
Female	1	1.640	.079	1.485	1.795
	2	1.973	.086	1.803	2.144

(Figure 24)



(Figure 25)

Mauchly's Test of Sphericity^a

Measure: MEASURE_1

Within Subjects Effect	Mauchly's W	Approx. Chi-Square	df	Sig.	Epsilon ^b		
					Greenhouse-Geisser	Huynh-Feldt	Lower-bound
factor1	1.000	.000	0	.	1.000	1.000	1.000

Tests the null hypothesis that the error covariance matrix of the orthonormalized transformed dependent variables is proportional to an identity matrix.

a. Design: Intercept + female
Within Subjects Design: factor1

b. May be used to adjust the degrees of freedom for the averaged tests of significance. Corrected tests are displayed in the Tests of Within-Subjects Effects table.

(Figure 26)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	2.849	1	2.849	5.051	.026
	Greenhouse-Geisser	2.849	1.000	2.849	5.051	.026
	Huynh-Feldt	2.849	1.000	2.849	5.051	.026
	Lower-bound	2.849	1.000	2.849	5.051	.026
factor1 * female	Sphericity Assumed	2.620	1	2.620	4.645	.032
	Greenhouse-Geisser	2.620	1.000	2.620	4.645	.032
	Huynh-Feldt	2.620	1.000	2.620	4.645	.032
	Lower-bound	2.620	1.000	2.620	4.645	.032
Error(factor1)	Sphericity Assumed	121.830	216	.564		
	Greenhouse-Geisser	121.830	216.000	.564		
	Huynh-Feldt	121.830	216.000	.564		
	Lower-bound	121.830	216.000	.564		

(Figure 27)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	2.849	1	2.849	5.051	.026
factor1 * female	Linear	2.620	1	2.620	4.645	.032
Error(factor1)	Linear	121.830	216	.564		

(Figure 28)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1241.010	1	1241.010	2687.018	<.001
female	.377	1	.377	.817	.367
Error	99.760	216	.462		

(Figure 29)

1. Female

Measure: MEASURE_1

Female	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Male	1.927	.037	1.853	2.000
Female	2.100	.052	1.998	2.202

(Figure 30)

2. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.843	.046	1.752	1.933
2	2.184	.048	2.090	2.277

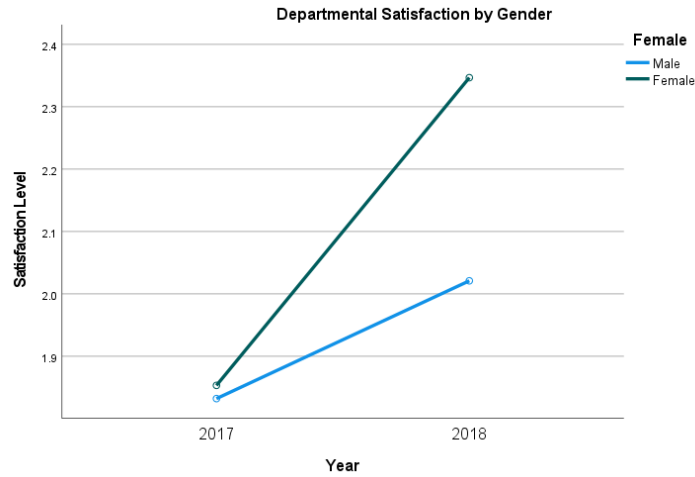
(Figure 31)

3. Female * factor1

Measure: MEASURE_1

Female	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Male	1	1.832	.054	1.726	1.938
	2	2.021	.056	1.911	2.131
Female	1	1.853	.074	1.707	2.000
	2	2.347	.077	2.195	2.498

(Figure 32)



(Figure 33)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	11.446	1	11.446	24.892	<.001
	Greenhouse-Geisser	11.446	1.000	11.446	24.892	<.001
	Huynh-Feldt	11.446	1.000	11.446	24.892	<.001
	Lower-bound	11.446	1.000	11.446	24.892	<.001
factor1 * female	Sphericity Assumed	2.281	1	2.281	4.961	.027
	Greenhouse-Geisser	2.281	1.000	2.281	4.961	.027
	Huynh-Feldt	2.281	1.000	2.281	4.961	.027
	Lower-bound	2.281	1.000	2.281	4.961	.027
Error(factor1)	Sphericity Assumed	99.324	216	.460		
	Greenhouse-Geisser	99.324	216.000	.460		
	Huynh-Feldt	99.324	216.000	.460		
	Lower-bound	99.324	216.000	.460		

(Figure 34)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	factor1	Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	11.446	1	11.446	24.892	<.001
factor1 * female	Linear	2.281	1	2.281	4.961	.027
Error(factor1)	Linear	99.324	216	.460		

(Figure 35)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1595.299	1	1595.299	4008.753	<.001
female	2.959	1	2.959	7.437	.007
Error	85.958	216	.398		

(Figure 36)

1. Female

Measure: MEASURE_1

Female	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
Male	1.605	.037	1.533	1.677
Female	1.693	.051	1.594	1.793

(Figure 37)

2. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.565	.043	1.481	1.649
2	1.733	.049	1.636	1.831

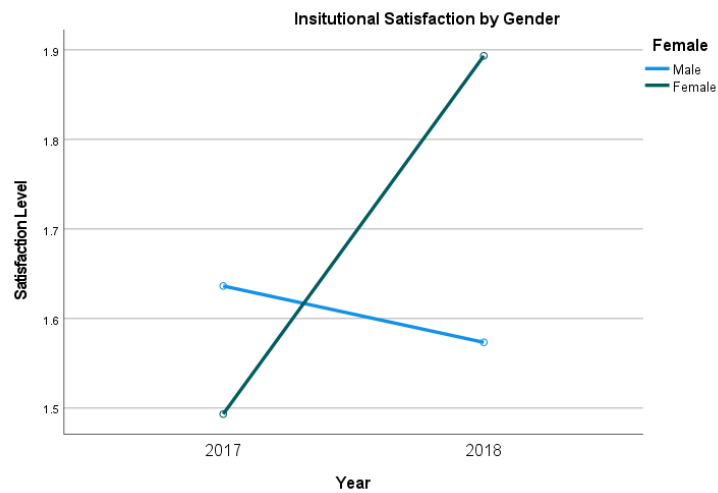
(Figure 38)

3. Female * factor1

Measure: MEASURE_1

Female	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
Male	1	1.636	.050	1.537	1.735
	2	1.573	.058	1.459	1.688
Female	1	1.493	.069	1.357	1.630
	2	1.893	.080	1.735	2.051

(Figure 39)



(Figure 40)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	2.795	1	2.795	6.084	.014
	Greenhouse-Geisser	2.795	1.000	2.795	6.084	.014
	Huynh-Feldt	2.795	1.000	2.795	6.084	.014
	Lower-bound	2.795	1.000	2.795	6.084	.014
factor1 * female	Sphericity Assumed	5.272	1	5.272	11.477	<.001
	Greenhouse-Geisser	5.272	1.000	5.272	11.477	<.001
	Huynh-Feldt	5.272	1.000	5.272	11.477	<.001
	Lower-bound	5.272	1.000	5.272	11.477	<.001
Error(factor1)	Sphericity Assumed	99.217	216	.459		
	Greenhouse-Geisser	99.217	216.000	.459		
	Huynh-Feldt	99.217	216.000	.459		
	Lower-bound	99.217	216.000	.459		

(Figure 41)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	factor1	Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	2.795	1	2.795	6.084	.014
factor1 * female	Linear	5.272	1	5.272	11.477	<.001
Error(factor1)	Linear	99.217	216	.459		

(Figure 42)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1070.366	1	1070.366	2794.065	<.001
female	.770	1	.770	2.009	.158
Error	82.746	216	.383		

(Figure 43)

1. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.843	.046	1.752	1.933
2	1.942	.051	1.840	2.043

(Figure 44)

2. Tenure track

Measure: MEASURE_1

Tenure track	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
0	1.891	.050	1.792	1.990
1	1.893	.047	1.801	1.985

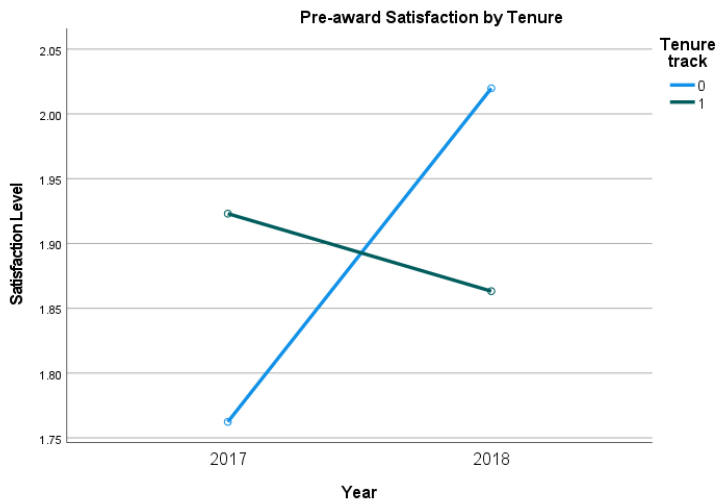
(Figure 45)

3. Tenure track * factor1

Measure: MEASURE_1

Tenure track	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
0	1	1.762	.067	1.630	1.895
	2	2.020	.075	1.871	2.168
1	1	1.923	.062	1.800	2.046
	2	1.863	.070	1.725	2.001

(Figure 46)



(Figure 47)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	1.058	1	1.058	2.024	.156
	Greenhouse-Geisser	1.058	1.000	1.058	2.024	.156
	Huynh-Feldt	1.058	1.000	1.058	2.024	.156
	Lower-bound	1.058	1.000	1.058	2.024	.156
factor1 * tenuretrack	Sphericity Assumed	2.728	1	2.728	5.217	.023
	Greenhouse-Geisser	2.728	1.000	2.728	5.217	.023
	Huynh-Feldt	2.728	1.000	2.728	5.217	.023
	Lower-bound	2.728	1.000	2.728	5.217	.023
Error(factor1)	Sphericity Assumed	112.944	216	.523		
	Greenhouse-Geisser	112.944	216.000	.523		
	Huynh-Feldt	112.944	216.000	.523		
	Lower-bound	112.944	216.000	.523		

(Figure 48)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	factor1	Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	1.058	1	1.058	2.024	.156
factor1 * tenuretrack	Linear	2.728	1	2.728	5.217	.023
Error(factor1)	Linear	112.944	216	.523		

(Figure 49)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1552.533	1	1552.533	3064.404	<.001
tenuretrack	.000	1	.000	.001	.976
Error	109.433	216	.507		

(Figure 50)

1. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.703	.046	1.612	1.795
2	1.834	.051	1.734	1.934

(Figure 51)

2. Tenure track

Measure: MEASURE_1

Tenure track	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
0	1.807	.048	1.713	1.901
1	1.731	.044	1.643	1.818

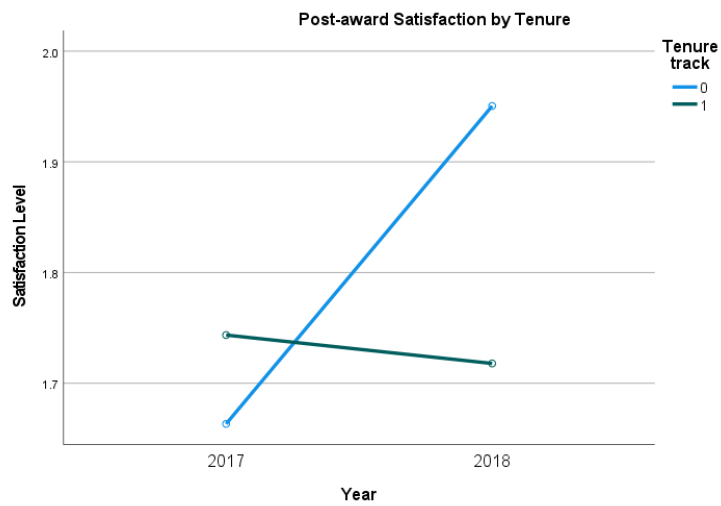
(Figure 52)

3. Tenure track * factor1

Measure: MEASURE_1

Tenure track	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
0	1	1.663	.068	1.529	1.797
	2	1.950	.074	1.804	2.097
1	1	1.744	.063	1.619	1.868
	2	1.718	.069	1.582	1.854

(Figure 53)



(Figure 54)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	1.853	1	1.853	3.287	.071
	Greenhouse-Geisser	1.853	1.000	1.853	3.287	.071
	Huynh-Feldt	1.853	1.000	1.853	3.287	.071
	Lower-bound	1.853	1.000	1.853	3.287	.071
factor1 * tenuretrack	Sphericity Assumed	2.651	1	2.651	4.702	.031
	Greenhouse-Geisser	2.651	1.000	2.651	4.702	.031
	Huynh-Feldt	2.651	1.000	2.651	4.702	.031
	Lower-bound	2.651	1.000	2.651	4.702	.031
Error(factor1)	Sphericity Assumed	121.798	216	.564		
	Greenhouse-Geisser	121.798	216.000	.564		
	Huynh-Feldt	121.798	216.000	.564		
	Lower-bound	121.798	216.000	.564		

(Figure 55)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	1.853	1	1.853	3.287	.071
factor1 * tenuretrack	Linear	2.651	1	2.651	4.702	.031
Error(factor1)	Linear	121.798	216	.564		

(Figure 56)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1356.822	1	1356.822	2945.203	<.001
tenuretrack	.629	1	.629	1.365	.244
Error	99.509	216	.461		

(Figure 57)

1. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.834	.043	1.749	1.920
2	2.142	.046	2.052	2.232

(Figure 58)

2. Tenure track

Measure: MEASURE_1

Tenure track	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
0	2.015	.045	1.926	2.104
1	1.962	.042	1.879	2.044

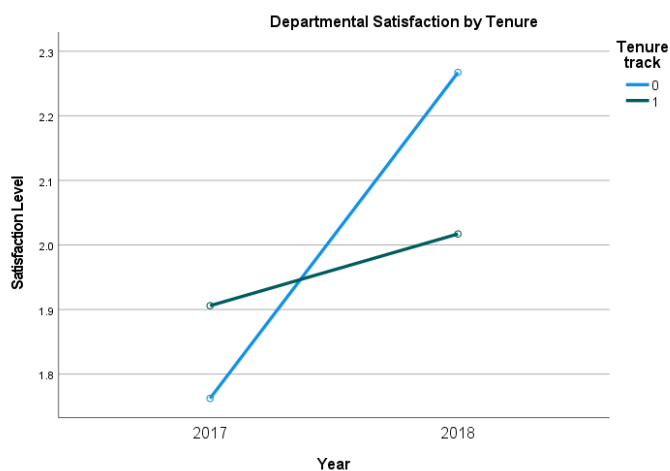
(Figure 59)

3. Tenure track * factor1

Measure: MEASURE_1

Tenure track	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
0	1	1.762	.064	1.637	1.888
	2	2.267	.067	2.135	2.399
1	1	1.906	.059	1.790	2.022
	2	2.017	.062	1.895	2.140

(Figure 60)



(Figure 61)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	10.287	1	10.287	22.812	<.001
	Greenhouse-Geisser	10.287	1.000	10.287	22.812	<.001
	Huynh-Feldt	10.287	1.000	10.287	22.812	<.001
	Lower-bound	10.287	1.000	10.287	22.812	<.001
factor1 * tenuretrack	Sphericity Assumed	4.204	1	4.204	9.323	.003
	Greenhouse-Geisser	4.204	1.000	4.204	9.323	.003
	Huynh-Feldt	4.204	1.000	4.204	9.323	.003
	Lower-bound	4.204	1.000	4.204	9.323	.003
Error(factor1)	Sphericity Assumed	97.402	216	.451		
	Greenhouse-Geisser	97.402	216.000	.451		
	Huynh-Feldt	97.402	216.000	.451		
	Lower-bound	97.402	216.000	.451		

(Figure 62)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	10.287	1	10.287	22.812	<.001
factor1 * tenuretrack	Linear	4.204	1	4.204	9.323	.003
Error(factor1)	Linear	97.402	216	.451		

(Figure 63)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1714.189	1	1714.189	4178.623	<.001
tenuretrack	.308	1	.308	.751	.387
Error	88.609	216	.410		

(Figure 64)

1. factor1

Measure: MEASURE_1

factor1	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
1	1.582	.041	1.501	1.662
2	1.696	.047	1.603	1.788

(Figure 65)

2. Tenure track

Measure: MEASURE_1

Tenure track	Mean	Std. Error	95% Confidence Interval	
			Lower Bound	Upper Bound
0	1.683	.044	1.597	1.769
1	1.594	.040	1.514	1.674

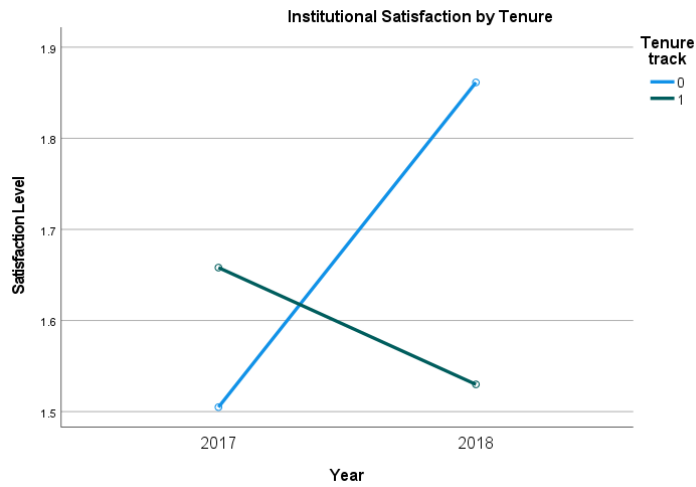
(Figure 66)

3. Tenure track * factor1

Measure: MEASURE_1

Tenure track	factor1	Mean	Std. Error	95% Confidence Interval	
				Lower Bound	Upper Bound
0	1	1.505	.060	1.387	1.622
	2	1.861	.069	1.726	1.997
1	1	1.658	.055	1.549	1.767
	2	1.530	.064	1.404	1.656

(Figure 67)



(Figure 68)

Tests of Within-Subjects Effects

Measure: MEASURE_1

Source		Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Sphericity Assumed	1.412	1	1.412	3.108	.079
	Greenhouse-Geisser	1.412	1.000	1.412	3.108	.079
	Huynh-Feldt	1.412	1.000	1.412	3.108	.079
	Lower-bound	1.412	1.000	1.412	3.108	.079
factor1 * tenuretrack	Sphericity Assumed	6.366	1	6.366	14.013	<.001
	Greenhouse-Geisser	6.366	1.000	6.366	14.013	<.001
	Huynh-Feldt	6.366	1.000	6.366	14.013	<.001
	Lower-bound	6.366	1.000	6.366	14.013	<.001
Error(factor1)	Sphericity Assumed	98.123	216	.454		
	Greenhouse-Geisser	98.123	216.000	.454		
	Huynh-Feldt	98.123	216.000	.454		
	Lower-bound	98.123	216.000	.454		

(Figure 69)

Tests of Within-Subjects Contrasts

Measure: MEASURE_1

Source	factor1	Type III Sum of Squares	df	Mean Square	F	Sig.
factor1	Linear	1.412	1	1.412	3.108	.079
factor1 * tenuretrack	Linear	6.366	1	6.366	14.013	<.001
Error(factor1)	Linear	98.123	216	.454		

(Figure 70)

Tests of Between-Subjects Effects

Measure: MEASURE_1

Transformed Variable: Average

Source	Type III Sum of Squares	df	Mean Square	F	Sig.
Intercept	1164.348	1	1164.348	3042.780	<.001
tenuretrack	.862	1	.862	2.252	.135
Error	82.654	216	.383		

(Figure 71)

Categorical Variable Information

			N	Percent
Dependent Variable	Preaward satisfaction - 2018	Below Expectations	70	32.1%
		Meets Expectations	92	42.2%
		Exceeds Expectations	56	25.7%
		Total	218	100.0%
Factor	Preaward satisfaction - 2017	Below Expectations	69	31.7%
		Meets Expectations	113	51.8%
		Exceeds Expectations	36	16.5%
		Total	218	100.0%

(Figure 72)

Continuous Variable Information

		N	Minimum	Maximum	Mean	Std. Deviation
Covariate	Female	218	0	1	.34	.476
	White	218	0	1	.78	.412
	Asian	218	0	1	.13	.340
	Years of service	218	.10	46.50	22.3183	9.28465
	Chair	218	0	1	.06	.229
	Tenure track	218	0	1	.54	.500
	Engagement (treatment)	218	0	1	.22	.415

(Figure 73)

Parameter Estimates

				95% Wald Confidence Interval		Hypothesis Test			
Parameter	B	Std. Error		Lower	Upper	Wald Chi-Square	df	Sig.	Exp(B)
Threshold	[Preaward satisfaction - 2018=1]	-.775	.6176	-1.985	.436	1.573	1	.210	.461
	[Preaward satisfaction - 2018=2]	1.194	.6214	-.024	2.412	3.694	1	.055	3.301
[Preaward satisfaction - 2017=1]		.224	.3774	-.515	.964	.353	1	.552	1.252
[Preaward satisfaction - 2017=2]		-.079	.3478	-.761	.602	.052	1	.820	.924
[Preaward satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.419	.2796	-.129	.967	2.245	1	.134	1.520
White		-.046	.4756	-.978	.886	.009	1	.922	.955
Asian		.332	.5930	-.830	1.495	.314	1	.575	1.394
Years of service		-.012	.0148	-.041	.017	.634	1	.426	.988
Chair		-.057	.6099	-1.252	1.138	.009	1	.926	.945
Tenure track		-.215	.2763	-.757	.326	.606	1	.436	.806
Engagement (treatment)		1.216	.3236	.582	1.850	14.122	1	<.001	3.374
(Scale)		1 ^b							

Dependent Variable: Preaward satisfaction - 2018

Model: (Threshold), Preaward satisfaction - 2017, Female, White, Asian, Years of service, Chair, Tenure track, Engagement (treatment)

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 74)

Categorical Variable Information

			N	Percent
Dependent Variable	Postaward satisfactoin - 2018	Below Expectations	84	38.5%
		Meets Expectations	88	40.4%
		Exceeds Expectations	46	21.1%
		Total	218	100.0%
Factor	Postaward satisfactoin - 2017	Below Expectations	92	42.2%
		Meets Expectations	98	45.0%
		Exceeds Expectations	28	12.8%
		Total	218	100.0%

(Figure 75)

Continuous Variable Information

		N	Minimum	Maximum	Mean	Std. Deviation
Covariate	Female	218	0	1	.34	.476
	White	218	0	1	.78	.412
	Asian	218	0	1	.13	.340
	Years of service	218	.10	46.50	22.3183	9.28465
	Chair	218	0	1	.06	.229
	Tenure track	218	0	1	.54	.500
	Engagement (treatment)	218	0	1	.22	.415

(Figure 76)

Parameter Estimates

				95% Wald Confidence Interval		Hypothesis Test			
Parameter		B	Std. Error	Lower	Upper	Wald Chi-Square	df	Sig.	Exp(B)
Threshold	[Postward satisfactoin - 2018=1]	-.283	.6594	-1.575	1.010	.184	1	.668	.754
	[Postward satisfactoin - 2018=2]	1.842	.6757	.518	3.167	7.431	1	.006	6.310
[Postward satisfactoin - 2017=1]		.681	.4338	-.170	1.531	2.460	1	.117	1.975
[Postward satisfactoin - 2017=2]		.070	.4214	-.757	.896	.027	1	.869	1.072
[Postward satisfactoin - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.396	.2818	-.156	.948	1.975	1	.160	1.486
White		-.284	.4880	-1.241	.672	.339	1	.560	.753
Asian		.795	.6052	-.391	1.982	1.727	1	.189	2.215
Years of service		-.006	.0153	-.036	.024	.138	1	.710	.994
Chair		-.656	.6162	-1.863	.552	1.132	1	.287	.519
Tenure track		-.433	.2843	-.990	.124	2.323	1	.128	.648
Engagement (treatment)		1.686	.3365	1.026	2.345	25.090	1	<.001	5.396
(Scale)		1 ^b							

Dependent Variable: Postaward satisfactoin - 2018

Model: (Threshold), Postaward satisfactoin - 2017, Female, White, Asian, Years of service, Chair, Tenure track, Engagement (treatment)

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 77)

Categorical Variable Information

			N	Percent
Dependent Variable	Departmental satisfaction - 2018	Below Expectations	38	17.4%
		Meets Expectations	113	51.8%
		Exceeds Expectations	67	30.7%
		Total	218	100.0%
Factor	Departmental satisfaction - 2017	Below Expectations	65	29.8%
		Meets Expectations	123	56.4%
		Exceeds Expectations	30	13.8%
		Total	218	100.0%

(Figure 78)

Continuous Variable Information

		N	Minimum	Maximum	Mean	Std. Deviation
Covariate	Female	218	0	1	.34	.476
	White	218	0	1	.78	.412
	Asian	218	0	1	.13	.340
	Years of service	218	.10	46.50	22.3183	9.28465
	Chair	218	0	1	.06	.229
	Tenure track	218	0	1	.54	.500
	Engagement (treatment)	218	0	1	.22	.415

(Figure 79)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
			Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold								
[Departmental satisfaction - 2018=1]	-1.433	.6889	-2.783	-.083	4.326	1	.038	.239
[Departmental satisfaction - 2018=2]	1.334	.6866	-.012	2.680	3.776	1	.052	3.797
[Departmental satisfaction - 2017=1]	.386	.4490	-.494	1.266	.739	1	.390	1.471
[Departmental satisfaction - 2017=2]	.066	.4120	-.741	.874	.026	1	.872	1.069
[Departmental satisfaction - 2017=3]	0 ^a	.	.	.	.	.	.	1
Female	.873	.2934	.298	1.448	8.857	1	.003	2.394
White	-.611	.4976	-1.587	.364	1.509	1	.219	.543
Asian	.000	.6145	-1.205	1.204	.000	1	1.000	1.000
Years of service	.016	.0157	-.015	.047	1.058	1	.304	1.016
Chair	-.350	.6390	-1.602	.903	.299	1	.584	.705
Tenure track	-.614	.2951	-1.192	-.036	4.331	1	.037	.541
Engagement (treatment)	1.815	.3664	1.097	2.533	24.539	1	<.001	6.142
(Scale)	1 ^b							

Dependent Variable: Departmental satisfaction - 2018

Model: (Threshold), Departmental satisfaction - 2017, Female, White, Asian, Years of service, Chair, Tenure track, Engagement (treatment)

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 80)

Categorical Variable Information

			N	Percent
Dependent Variable	Institutional satisfaction - 2018	Below Expectations	100	45.9%
		Meets Expectations	87	39.9%
		Exceeds Expectations	31	14.2%
		Total	218	100.0%
Factor	Institutional satisfaction - 2017	Below Expectations	103	47.2%
		Meets Expectations	102	46.8%
		Exceeds Expectations	13	6.0%
		Total	218	100.0%

(Figure 81)

Continuous Variable Information

		N	Minimum	Maximum	Mean	Std. Deviation
Covariate	Female	218	0	1	.34	.476
	White	218	0	1	.78	.412
	Asian	218	0	1	.13	.340
	Years of service	218	.10	46.50	22.3183	9.28465
	Chair	218	0	1	.06	.229
	Tenure track	218	0	1	.54	.500
	Engagement (treatment)	218	0	1	.22	.415

(Figure 82)

Parameter Estimates

Parameter		B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
				Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold	[Institutional satisfaction - 2018=1]	-.152	.8090	-1.738	1.433	.035	1	.851	.859
	[Institutional satisfaction - 2018=2]	2.218	.8316	.588	3.848	7.114	1	.008	9.190
[Institutional satisfaction - 2017=1]		.681	.6217	-.538	1.899	1.199	1	.274	1.975
[Institutional satisfaction - 2017=2]		.434	.6211	-.783	1.651	.488	1	.485	1.543
[Institutional satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.630	.2873	.067	1.194	4.814	1	.028	1.878
White		-.227	.5003	-1.207	.754	.206	1	.650	.797
Asian		.235	.6100	-.961	1.431	.148	1	.700	1.265
Years of service		-.020	.0158	-.051	.011	1.644	1	.200	.980
Chair		-1.094	.6661	-2.399	.212	2.695	1	.101	.335
Tenure track		-.602	.2933	-1.177	-.027	4.211	1	.040	.548
Engagement (treatment)		1.642	.3421	.971	2.312	23.026	1	<.001	5.163
(Scale)		1 ^b							

Dependent Variable: Institutional satisfaction - 2018

Model: (Threshold), Institutional satisfaction - 2017, Female, White, Asian, Years of service, Chair, Tenure track, Engagement (treatment)

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 83)

Parameter Estimates

Parameter		B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
				Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold	[Preaward satisfaction - 2018=1]	-.989	.6055	-2.176	.198	2.667	1	.102	.372
	[Preaward satisfaction - 2018=2]	.999	.6058	-.188	2.187	2.721	1	.099	2.716
Female * Engagement (treatment)		2.382	.5478	1.308	3.456	18.909	1	<.001	10.826
[Preaward satisfaction - 2017=1]		.127	.3783	-.614	.869	.113	1	.737	1.136
[Preaward satisfaction - 2017=2]		-.145	.3488	-.828	.539	.172	1	.678	.865
[Preaward satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
White		-.021	.4761	-.955	.912	.002	1	.964	.979
Asian		.261	.5988	-.912	1.435	.191	1	.662	1.299
Years of service		-.009	.0149	-.038	.021	.335	1	.563	.991
Chair		.167	.5995	-1.008	1.342	.077	1	.781	1.182
Tenure track		-.268	.2758	-.809	.272	.947	1	.331	.765
(Scale)		1 ^b							

Dependent Variable: Preaward satisfaction - 2018

Model: (Threshold), Female * Engagement (treatment), Preaward satisfaction - 2017, White, Asian, Years of service, Chair, Tenure track

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 84)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
			Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold								
[Postaward satisfactoin - 2018=1]	-.472	.6491	-1.744	.800	.529	1	.467	.624
[Postaward satisfactoin - 2018=2]	1.664	.6622	.366	2.962	6.315	1	.012	5.281
Female * Engagement (treatment)	3.049	.6072	1.859	4.240	25.225	1	<.001	21.104
[Postaward satisfactoin - 2017=1]	.620	.4327	-.228	1.468	2.051	1	.152	1.858
[Postaward satisfactoin - 2017=2]	.000	.4214	-.826	.825	.000	1	.999	1.000
[Postaward satisfactoin - 2017=3]	0 ^a	.	.	.	.	.	.	1
White	-.292	.4857	-1.244	.660	.360	1	.548	.747
Asian	.769	.6044	-.416	1.953	1.617	1	.203	2.157
Years of service	.001	.0154	-.029	.031	.003	1	.958	1.001
Chair	-.280	.5981	-1.453	.892	.220	1	.639	.756
Tenure track	-.456	.2827	-1.010	.098	2.605	1	.107	.634
(Scale)	1 ^b							

Dependent Variable: Postaward satisfactoin - 2018

Model: (Threshold), Female * Engagement (treatment), Postaward satisfactoin - 2017, White, Asian, Years of service, Chair, Tenure track

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 85)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
			Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold								
[Departmental satisfaction - 2018=1]	-2.038	.6753	-3.362	-.715	9.111	1	.003	.130
[Departmental satisfaction - 2018=2]	.642	.6588	-.650	1.933	.948	1	.330	1.899
Female * Engagement (treatment)	4.085	1.0479	2.031	6.139	15.194	1	<.001	59.425
White	-.639	.4840	-1.587	.310	1.741	1	.187	.528
Asian	-.052	.6050	-1.238	1.134	.007	1	.932	.950
Years of service	.022	.0159	-.009	.053	1.886	1	.170	1.022
Chair	-.060	.6384	-1.312	1.191	.009	1	.925	.941
Tenure track	-.700	.2985	-1.285	-.115	5.508	1	.019	.496
[Departmental satisfaction - 2017=1]	.021	.4563	-.873	.916	.002	1	.963	1.022
[Departmental satisfaction - 2017=2]	-.240	.4162	-1.056	.576	.333	1	.564	.787
[Departmental satisfaction - 2017=3]	0 ^a	.	.	.	.	.	.	1
(Scale)	1 ^b							

Dependent Variable: Departmental satisfaction - 2018

Model: (Threshold), Female * Engagement (treatment), White, Asian, Years of service, Chair, Tenure track, Departmental satisfaction - 2017

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 86)

Parameter Estimates

				95% Wald Confidence Interval		Hypothesis Test			
Parameter		B	Std. Error	Lower	Upper	Wald Chi-Square	df	Sig.	Exp(B)
Threshold	[Institutional satisfaction - 2018=1]	-.677	.8063	-2.258	.903	.706	1	.401	.508
	[Institutional satisfaction - 2018=2]	1.829	.8238	.214	3.443	4.927	1	.026	6.225
Female * Engagement (treatment)		3.391	.5857	2.243	4.539	33.512	1	< .001	29.684
[Institutional satisfaction - 2017=1]		.432	.6186	-.780	1.645	.488	1	.485	1.541
[Institutional satisfaction - 2017=2]		.156	.6151	-1.049	1.362	.065	1	.799	1.169
[Institutional satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
White		-.257	.4978	-1.232	.719	.266	1	.606	.774
Asian		.092	.6180	-1.119	1.304	.022	1	.881	1.097
Years of service		-.014	.0160	-.046	.017	.799	1	.371	.986
Chair		-.657	.6291	-1.890	.576	1.091	1	.296	.518
Tenure track		-.701	.2943	-1.277	-.124	5.667	1	.017	.496
(Scale)		1 ^b							

Dependent Variable: Institutional satisfaction - 2018

Model: (Threshold), Female * Engagement (treatment), Institutional satisfaction - 2017, White, Asian, Years of service, Chair, Tenure track

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 87)

Parameter Estimates

			95% Wald Confidence Interval			Hypothesis Test			
Parameter		B	Std. Error	Lower	Upper	Wald Chi-Square	df	Sig.	Exp(B)
Threshold	[Preaward satisfaction - 2018=1]	-.747	.6114	-1.945	.452	1.492	1	.222	.474
	[Preaward satisfaction - 2018=2]	1.119	.6144	-.085	2.323	3.317	1	.069	3.061
Tenure track * Engagement (treatment)		.026	.3963	-.750	.803	.004	1	.947	1.027
[Preaward satisfaction - 2017=1]		.180	.3711	-.547	.908	.236	1	.627	1.198
[Preaward satisfaction - 2017=2]		-.088	.3422	-.758	.583	.066	1	.797	.916
[Preaward satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.515	.2750	-.024	1.054	3.510	1	.061	1.674
White		.113	.4681	-.804	1.031	.059	1	.809	1.120
Asian		.633	.5834	-.511	1.776	1.177	1	.278	1.883
Years of service		-.014	.0144	-.042	.014	.966	1	.326	.986
Chair		.002	.6001	-1.174	1.178	.000	1	.998	1.002
(Scale)		1 ^b							

Dependent Variable: Preaward satisfaction - 2018

Model: (Threshold), Tenure track * Engagement (treatment), Preaward satisfaction - 2017, Female, White, Asian, Years of service, Chair

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 88)

Parameter Estimates

Parameter		B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
				Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold	[Postaward satisfactoin - 2018=1]	-.116	.6423	-1.375	1.143	.032	1	.857	.891
	[Postaward satisfactoin - 2018=2]	1.804	.6567	.517	3.091	7.546	1	.006	6.073
Tenure track * Engagement (treatment)		.333	.3951	-.441	1.107	.711	1	.399	1.395
[Postaward satisfactoin - 2017=1]		.740	.4213	-.086	1.566	3.084	1	.079	2.096
[Postaward satisfactoin - 2017=2]		.175	.4097	-.628	.978	.183	1	.669	1.191
[Postaward satisfactoin - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.502	.2732	-.034	1.037	3.369	1	.066	1.651
White		-.119	.4722	-1.044	.807	.063	1	.801	.888
Asian		1.104	.5836	-.040	2.248	3.576	1	.059	3.015
Years of service		-.010	.0148	-.039	.019	.466	1	.495	.990
Chair		-.561	.5900	-1.718	.595	.905	1	.341	.570
(Scale)		1 ^b							

Dependent Variable: Postaward satisfactoin - 2018

Model: (Threshold), Tenure track * Engagement (treatment), Postaward satisfactoin - 2017, Female, White, Asian, Years of service, Chair

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 89)

Parameter Estimates

Parameter		B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
				Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold	[Departmental satisfaction - 2018=1]	-1.342	.6677	-2.650	-.033	4.037	1	.045	.261
	[Departmental satisfaction - 2018=2]	1.181	.6651	-.122	2.485	3.154	1	.076	3.258
Tenure track * Engagement (treatment)		.423	.4262	-.412	1.258	.986	1	.321	1.527
[Departmental satisfaction - 2017=1]		.368	.4368	-.488	1.224	.711	1	.399	1.445
[Departmental satisfaction - 2017=2]		-.019	.4018	-.807	.768	.002	1	.962	.981
[Departmental satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.943	.2817	.391	1.495	11.203	1	<.001	2.567
White		-.494	.4774	-1.430	.442	1.071	1	.301	.610
Asian		.394	.5874	-.757	1.545	.450	1	.502	1.483
Years of service		.008	.0151	-.022	.037	.255	1	.613	1.008
Chair		-.275	.6323	-1.514	.964	.189	1	.664	.760
(Scale)		1 ^b							

Dependent Variable: Departmental satisfaction - 2018

Model: (Threshold), Tenure track * Engagement (treatment), Departmental satisfaction - 2017, Female, White, Asian, Years of service, Chair

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 90)

Parameter Estimates

Parameter		B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
				Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold	[Institutional satisfaction - 2018=1]	-.186	.7661	-1.687	1.316	.059	1	.809	.831
	[Institutional satisfaction - 2018=2]	1.926	.7809	.396	3.457	6.084	1	.014	6.863
Tenure track * Engagement (treatment)		.163	.4165	-.653	.980	.154	1	.695	1.177
[Institutional satisfaction - 2017=1]		.639	.5931	-.524	1.801	1.159	1	.282	1.894
[Institutional satisfaction - 2017=2]		.247	.5920	-.913	1.408	.175	1	.676	1.281
[Institutional satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
Female		.714	.2811	.163	1.264	6.445	1	.011	2.041
White		-.124	.4760	-1.057	.809	.068	1	.795	.884
Asian		.579	.5866	-.571	1.729	.974	1	.324	1.784
Years of service		-.026	.0153	-.056	.004	2.895	1	.089	.974
Chair		-.887	.6228	-2.108	.334	2.029	1	.154	.412
(Scale)		1 ^b							

Dependent Variable: Institutional satisfaction - 2018

Model: (Threshold), Tenure track * Engagement (treatment), Institutional satisfaction - 2017, Female, White, Asian, Years of service, Chair

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 91)

Parameter Estimates

Parameter		B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
				Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold	[Preaward satisfaction - 2018=1]	-.929	.6051	-2.115	.257	2.359	1	.125	.395
	[Preaward satisfaction - 2018=2]	1.069	.6062	-.119	2.257	3.111	1	.078	2.913
Tenure track * Engagement (treatment)		-.809	.4566	-1.704	.086	3.139	1	.076	.445
Female * Engagement (treatment)		2.749	.5967	1.579	3.918	21.219	1	<.001	15.623
[Preaward satisfaction - 2017=1]		.068	.3793	-.675	.812	.033	1	.857	1.071
[Preaward satisfaction - 2017=2]		-.198	.3499	-.883	.488	.319	1	.572	.821
[Preaward satisfaction - 2017=3]		0 ^a	.	.	.	.	.	.	1
White		-.021	.4718	-.946	.903	.002	1	.964	.979
Asian		.327	.5996	-.848	1.502	.298	1	.585	1.387
Years of service		-.008	.0147	-.037	.021	.276	1	.599	.992
Chair		.222	.5993	-.952	1.397	.137	1	.711	1.249
(Scale)		1 ^b							

Dependent Variable: Preaward satisfaction - 2018

Model: (Threshold), Tenure track * Engagement (treatment), Female * Engagement (treatment), Preaward satisfaction - 2017, White, Asian, Years of service, Chair

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 92)

Parameter Estimates

			95% Wald Confidence Interval		Hypothesis Test				
Parameter		B	Std. Error	Lower	Upper	Wald Chi-Square	df	Sig.	Exp(B)
Threshold	[Postaward satisfactoin - 2018=1]	-.335	.6428	-1.594	.925	.271	1	.603	.716
	[Postaward satisfactoin - 2018=2]	1.791	.6576	.502	3.080	7.416	1	.006	5.994
Tenure track * Engagement (treatment)		-.597	.4575	-1.493	.300	1.700	1	.192	.551
Female * Engagement (treatment)		3.311	.6553	2.026	4.595	25.526	1	<.001	27.400
White		-.335	.4772	-1.270	.601	.492	1	.483	.716
Asian		.806	.6024	-.375	1.987	1.790	1	.181	2.239
Years of service		-.002	.0151	-.032	.028	.015	1	.902	.998
Chair		-.269	.5988	-1.443	.904	.202	1	.653	.764
[Postaward satisfactoin - 2017=1]		.655	.4302	-.189	1.498	2.315	1	.128	1.924
[Postaward satisfactoin - 2017=2]		.039	.4188	-.782	.860	.009	1	.926	1.040
[Postaward satisfactoin - 2017=3]		0 ^a	.	.	.	.	.	.	1
(Scale)		1 ^b							

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
			Lower	Upper	Wald Chi-Square	df	Sig.	
Threshold [Institutional satisfaction - 2018=1]	-.480	.7948	-2.038	1.077	.365	1	.546	.619
[Institutional satisfaction - 2018=2]	2.001	.8139	.405	3.596	6.042	1	.014	7.394
Tenure track * Engagement (treatment)	-1.089	.5239	-2.115	-.062	4.318	1	.038	.337
Female * Engagement (treatment)	3.886	.6639	2.585	5.188	34.264	1	<.001	48.730
White	-.332	.4863	-1.285	.621	.467	1	.495	.717
Asian	.174	.6154	-1.032	1.380	.080	1	.777	1.190
Years of service	-.017	.0158	-.048	.014	1.190	1	.275	.983
Chair	-.653	.6323	-1.893	.586	1.067	1	.302	.520
[Institutional satisfaction - 2017=1]	.460	.6244	-.764	1.684	.543	1	.461	1.584
[Institutional satisfaction - 2017=2]	.157	.6229	-1.063	1.378	.064	1	.801	1.170
[Institutional satisfaction - 2017=3]	0 ^a	.	.	.	.	.	.	1
(Scale)	1 ^b	.	.	.	.	.	.	.

Dependent Variable: Institutional satisfaction - 2018

Model: (Threshold), Tenure track * Engagement (treatment), Female * Engagement (treatment), White, Asian, Years of service, Chair, Institutional satisfaction - 2017

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 95)

Q3 (Sean Jung)	Types of Satisfaction →	Pre-award		Post-award		Departmental		Institutional	
Types of Term ↓	Variable ↓	Exp(B)	P-value	Exp(B)	P-value	Exp(B)	P-value	Exp(B)	P-value
Main Effect	Engagement	3.374	<0.001	5.396	<0.001	6.142	<0.001	5.163	<0.001
	Female	1.52	0.134	1.486	0.16	2.394	0.003	1.878	0.028
	Tenure Track	0.806	0.436	0.648	0.128	0.541	0.037	0.548	0.040
Interaction w/ Gender	Engagement * Female	10.826	<0.001	21.104	<0.001	59.425	<0.001	29.684	<0.001
	Tenure Track	0.765	0.331	0.634	0.107	0.496	0.019	0.496	0.017
Interaction w/ Tenure	Engagement * Tenure	1.027	0.947	1.395	0.399	1.527	0.321	1.177	0.695
	Female	1.674	0.061	1.651	0.066	2.567	<0.001	2.041	0.011
Interaction w/ Gender and w/ Tenure	Engagement * Female	15.623	<0.001	27.400	<0.001	73.135	<0.001	48.73	<0.001
	Engagement * Tenure	0.445	0.076	0.551	0.192	0.582	0.274	0.337	0.038

(Figure 96)

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation	Variance
Number of proposals	217	0	16	2.81	2.828	7.999
Valid N (listwise)	217					

(Figure 97)

Goodness of Fit^a

	Value	df	Value/df
Deviance	534.782	216	2.476
Scaled Deviance	534.782	216	
Pearson Chi-Square	615.678	216	2.850
Scaled Pearson Chi-Square	615.678	216	
Log Likelihood ^b	-532.302		
Akaike's Information Criterion (AIC)	1066.603		
Finite Sample Corrected AIC (AICC)	1066.622		
Bayesian Information Criterion (BIC)	1069.983		
Consistent AIC (CAIC)	1070.983		

Dependent Variable: Number of proposals
Model: (Intercept)

- a. Information criteria are in smaller-is-better form.
b. The full log likelihood function is displayed and used in computing information criteria.

(Figure 98)

Goodness of Fit result when running on Poisson regression

Goodness of Fit^a

	Value	df	Value/df
Deviance	159.771	216	.740
Scaled Deviance	159.771	216	
Pearson Chi-Square	161.746	216	.749
Scaled Pearson Chi-Square	161.746	216	
Log Likelihood ^b	-475.672		
Akaike's Information Criterion (AIC)	953.344		
Finite Sample Corrected AIC (AICC)	953.363		
Bayesian Information Criterion (BIC)	956.724		
Consistent AIC (CAIC)	957.724		

Dependent Variable: Number of proposals
Model: (Intercept)

- a. Information criteria are in smaller-is-better form.
b. The full log likelihood function is displayed and used in computing information criteria.

(Figure 99)

Goodness of Fit result when running on Negative Binomial regression

Custom

☒ Custom

Distribution: **Negative binomial** Link function: **Log**

Parameter

☐ Specify value

Value:

☒ Estimate value

Power:

(Figure 100)

Goodness of Fit^a

	Value	df	Value/df
Deviance	228.578	215	1.063
Scaled Deviance	228.578	215	
Pearson Chi-Square	247.806	215	1.153
Scaled Pearson Chi-Square	247.806	215	
Log Likelihood ^b	-467.100		
Akaike's Information Criterion (AIC)	938.199		
Finite Sample Corrected AIC (AICC)	938.255		
Bayesian Information Criterion (BIC)	944.959		
Consistent AIC (CAIC)	946.959		

Dependent Variable: Number of proposals

Model: (Intercept)

- a. Information criteria are in smaller-is-better form.
- b. The full log likelihood function is displayed and used in computing information criteria.

(Figure 101)

Goodness of Fit result when running on Negative Binomial regression with custom parameters.

Factors:

- Type of doctoral degree [doctortype]
- RAS Unit [rasunit]

Covariates:

- Chair [chair]
- Female [female]
- White [white]
- Asian [asian]
- Years of service [yos]
- Tenure track [tenuretrack]

(Figure 102)**Categorical Variable Information**

			N	Percent
Factor	Type of doctoral degree	No doctoral degree	11	5.1%
		Ph.D.	104	47.9%
		M.D.	90	41.5%
		M.D., Ph.D.	12	5.5%
		Total	217	100.0%
	RAS Unit	ABOSS	34	15.7%
		Basic Science	23	10.6%
		CAPS	18	8.3%
		Cancer and Imaging	36	16.6%
		Dept of Medicine	35	16.1%
		Hospital and Specialty Services	17	7.8%
		Pediatrics	21	9.7%
		Public Health and Nursing	26	12.0%
		Yerkes	7	3.2%
		Total	217	100.0%

(Figure 103)**Continuous Variable Information**

		N	Minimum	Maximum	Mean	Std. Deviation
Dependent Variable	Number of proposals	217	0	16	2.81	2.828
Covariate	Chair	217	0	1	.06	.229
	Female	217	0	1	.35	.477
	White	217	0	1	.78	.413
	Asian	217	0	1	.13	.341
	Years of service	217	.10	46.50	22.3111	9.30549
	Tenure track	217	0	1	.54	.500

(Figure 104)

Goodness of Fit^a

	Value	df	Value/df
Deviance	225.703	198	1.140
Scaled Deviance	225.703	198	
Pearson Chi-Square	246.243	198	1.244
Scaled Pearson Chi-Square	246.243	198	
Log Likelihood ^b	-442.045		
Akaike's Information Criterion (AIC)	922.089		
Finite Sample Corrected AIC (AICC)	925.947		
Bayesian Information Criterion (BIC)	986.308		
Consistent AIC (CAIC)	1005.308		

Dependent Variable: Number of proposals

Model: (Intercept), Type of doctoral degree, Chair, RAS Unit, Female, White, Asian, Years of service, Tenure track

a. Information criteria are in smaller-is-better form.

b. The full log likelihood function is displayed and used in computing information criteria.

(Figure 105)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
			Lower	Upper	Wald Chi-Square	df	Sig.	
(Intercept)	2.003	.4023	1.215	2.792	24.790	1	<.001	7.412
[Type of doctoral degree=0]	-.841	.3815	-1.589	-.094	4.865	1	.027	.431
[Type of doctoral degree=1]	-.242	.2511	-.734	.250	.931	1	.335	.785
[Type of doctoral degree=2]	-.647	.2593	-1.155	-.139	6.228	1	.013	.524
[Type of doctoral degree=3]	0 ^a	.	.	.	.	.	.	1
Chair	-.257	.2610	-.769	.254	.972	1	.324	.773
[RAS Unit=1]	-.707	.3347	-1.363	-.051	4.459	1	.035	.493
[RAS Unit=2]	-.426	.3416	-1.095	.244	1.552	1	.213	.653
[RAS Unit=3]	-.927	.3675	-1.647	-.206	6.358	1	.012	.396
[RAS Unit=4]	-.527	.3258	-1.165	.112	2.615	1	.106	.591
[RAS Unit=5]	.081	.3339	-.573	.736	.059	1	.808	1.085
[RAS Unit=6]	-.296	.3619	-1.005	.414	.668	1	.414	.744
[RAS Unit=7]	-.119	.3547	-.815	.576	.113	1	.736	.887
[RAS Unit=8]	-.379	.3400	-1.045	.288	1.240	1	.265	.685
[RAS Unit=9]	0 ^a	.	.	.	.	.	.	1
Female	-.147	.1368	-.416	.121	1.163	1	.281	.863
White	-.448	.2114	-.863	-.034	4.495	1	.034	.639
Asian	-.225	.2508	-.717	.266	.806	1	.369	.798
Years of service	-.003	.0073	-.017	.011	.148	1	.700	.997
Tenure track	.480	.1440	.198	.762	11.107	1	<.001	1.616
(Scale)	1 ^b	.	.	.	.	.	.	.
(Negative binomial)	.335	.0689	.224	.502	.	.	.	.

Dependent Variable: Number of proposals

Model: (Intercept), Type of doctoral degree, Chair, RAS Unit, Female, White, Asian, Years of service, Tenure track

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 106A)

Dependent Variable → Independent Variables ↓	Number of Proposals (negative binomial)		
[Type of doctoral degree = No Doctoral Degree]	-0.841	0.431	0.027
[Type of doctoral degree = Ph.D]	-0.242	0.785	0.335
[Type of doctoral degree = M.D.]	-0.647	0.524	0.013
[Type of doctoral degree = M.D., Ph.D]	0	1.000	n/a
Chair	-0.257	0.773	0.324
[RAS Unit = ABOSS]	-0.707	0.493	0.035
[RAS Unit = Basic Science]	-0.426	0.653	0.213
[RAS Unit = CAPS]	-0.927	0.396	0.012
[RAS Unit = Cancer and Imaging]	-0.527	0.590	0.106
[RAS Unit = Dept of Medicine]	0.081	1.084	0.808
[RAS Unit = Hospital & Speciality]	-0.296	0.744	0.414
[RAS Unit = Pediatrics]	-0.119	0.888	0.736
[RAS Unit = Public Health & Nursing]	-0.379	0.685	0.265
[RAS Unit = Yerkes]	0	n/a	n/a
Female	-0.147	0.863	0.281
White	-0.448	0.639	0.034
Asian	-0.225	0.799	0.369
Years of Service	-0.003	0.997	0.700
Tenure Track	0.48	1.616	<0.001
	B	Exp(B)	p-value

(Figure 106B)

Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation	Variance
Number of awards	217	0	31	2.76	3.510	12.320
Valid N (listwise)	217					

(Figure 107)

Categorical Variable Information

Factor	Type of doctoral degree	N	Percent
	No doctoral degree	11	5.1%
	Ph.D.	104	47.9%
	M.D.	90	41.5%
	M.D., Ph.D.	12	5.5%
	Total	217	100.0%
	RAS Unit		
	ABOSS	34	15.7%
	Basic Science	23	10.6%
	CAPS	18	8.3%
	Cancer and Imaging	36	16.6%
	Dept of Medicine	35	16.1%
	Hospital and Specialty Services	17	7.8%
	Pediatrics	21	9.7%
	Public Health and Nursing	26	12.0%
	Yerkes	7	3.2%
	Total	217	100.0%

(Figure 108)

Continuous Variable Information

		N	Minimum	Maximum	Mean	Std. Deviation
Dependent Variable	Number of awards	217	0	31	2.76	3.510
Covariate	Chair	217	0	1	.06	.229
	Female	217	0	1	.35	.477
	White	217	0	1	.78	.413
	Asian	217	0	1	.13	.341
	Years of service	217	.10	46.50	22.3111	9.30549
	Tenure track	217	0	1	.54	.500

(Figure 109)

Goodness of Fit^a

	Value	df	Value/df
Deviance	218.769	198	1.105
Scaled Deviance	218.769	198	
Pearson Chi-Square	248.455	198	1.255
Scaled Pearson Chi-Square	248.455	198	
Log Likelihood ^b	-438.833		
Akaike's Information Criterion (AIC)	915.667		
Finite Sample Corrected AIC (AICC)	919.524		
Bayesian Information Criterion (BIC)	979.885		
Consistent AIC (CAIC)	998.885		

Dependent Variable: Number of awards

Model: (Intercept), Type of doctoral degree, Chair, RAS Unit, Female, White, Asian, Years of service, Tenure track

a. Information criteria are in smaller-is-better form.

b. The full log likelihood function is displayed and used in computing information criteria.

(Figure 110)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test			Exp(B)
			Lower	Upper	Wald Chi-Square	df	Sig.	
(Intercept)	1.495	.4586	.597	2.394	10.634	1	.001	4.461
[Type of doctoral degree=0]	-1.130	.4609	-2.033	-.226	6.006	1	.014	.323
[Type of doctoral degree=1]	-.366	.2963	-.946	.215	1.523	1	.217	.694
[Type of doctoral degree=2]	.106	.2984	-.479	.691	.127	1	.722	1.112
[Type of doctoral degree=3]	0 ^a	.	.	.	.	.	.	1
Chair	-.112	.2772	-.656	.431	.165	1	.685	.894
[RAS Unit=1]	-.733	.3844	-1.486	.021	3.631	1	.057	.481
[RAS Unit=2]	-.098	.3917	-.866	.670	.063	1	.802	.906
[RAS Unit=3]	-.744	.4253	-1.577	.090	3.058	1	.080	.475
[RAS Unit=4]	-.325	.3693	-1.048	.399	.773	1	.379	.723
[RAS Unit=5]	.300	.3778	-.440	1.041	.631	1	.427	1.350
[RAS Unit=6]	-.320	.4119	-1.127	.488	.602	1	.438	.726
[RAS Unit=7]	-.621	.4100	-1.425	.182	2.297	1	.130	.537
[RAS Unit=8]	-.359	.3936	-1.131	.412	.832	1	.362	.698
[RAS Unit=9]	0 ^a	.	.	.	.	.	.	1
Female	-.156	.1481	-.447	.134	1.116	1	.291	.855
White	-.423	.2262	-.866	.021	3.492	1	.062	.655
Asian	-.416	.2755	-.956	.124	2.280	1	.131	.660
Years of service	.012	.0080	-.004	.027	2.105	1	.147	1.012
Tenure track	.159	.1595	-.154	.471	.990	1	.320	1.172
(Scale)	1 ^b	.	.	.	.	.	.	.
(Negative binomial)	.433	.0762	.306	.611	.	.	.	.

Dependent Variable: Number of awards

Model: (Intercept), Type of doctoral degree, Chair, RAS Unit, Female, White, Asian, Years of service, Tenure track

a. Set to zero because this parameter is redundant.

b. Fixed at the displayed value.

(Figure 111A)

Dependent Variable → Independent Variables ↓	Number of Awards Received (negative binomial)		
[Type of doctoral degree = No Doctoral Degree]	-1.130	0.323	0.014
[Type of doctoral degree = Ph.D]	-0.366	0.694	0.217
[Type of doctoral degree = M.D.]	0.106	1.112	0.722
[Type of doctoral degree = M.D., Ph.D]	0	1.000	n/a
Chair	-0.112	0.894	0.685
[RAS Unit = ABOSS]	-0.733	0.480	0.057
[RAS Unit = Basic Science]	-0.098	0.907	0.802
[RAS Unit = CAPS]	-0.744	0.475	0.080
[RAS Unit = Cancer and Imaging]	-0.325	0.723	0.379
[RAS Unit = Dept of Medicine]	0.300	1.350	0.427
[RAS Unit = Hospital & Speciality]	-0.32	0.726	0.438
[RAS Unit = Pediatrics]	-0.621	0.537	0.130
[RAS Unit = Public Health & Nursing]	-0.359	0.698	0.362
[RAS Unit = Yerkes]	0	1.000	n/a
Female	-0.156	0.856	0.291
White	-0.423	0.655	0.062
Asian	-0.416	0.660	0.131
Years of Service	0.012	1.012	0.147
Tenure Track	0.159	1.172	0.320
	B	Exp(B)	p-value

(Figure 111B)

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.357 ^a	.128	.094	1.48731

a. Predictors: (Constant), Type of doctoral degree, RAS Unit, Chair, Years of service, Asian, Female, Tenure track, White

(Figure 112)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test		
			Lower	Upper	Wald Chi-Square	df	Sig.
(Intercept)	4.948	.6691	3.636	6.259	54.677	1	<.001
[Type of doctoral degree=0]	-1.530	.5389	-2.586	-.474	8.058	1	.005
[Type of doctoral degree=1]	-1.277	.4044	-2.070	-.485	9.978	1	.002
[Type of doctoral degree=2]	-1.789	.4096	-2.592	-.986	19.079	1	<.001
[Type of doctoral degree=3]	0 ^a	.	.	.	.	.	.
Chair	.827	.3816	.079	1.575	4.694	1	.030
[RAS Unit=1]	-3.455	.5307	-4.495	-2.415	42.392	1	<.001
[RAS Unit=2]	-2.992	.5498	-4.070	-1.915	29.617	1	<.001
[RAS Unit=3]	-3.862	.5654	-4.970	-2.753	46.648	1	<.001
[RAS Unit=4]	-3.593	.5253	-4.623	-2.564	46.794	1	<.001
[RAS Unit=5]	-2.416	.5452	-3.484	-1.347	19.638	1	<.001
[RAS Unit=6]	-2.937	.5813	-4.077	-1.798	25.536	1	<.001
[RAS Unit=7]	-3.074	.5708	-4.193	-1.955	29.006	1	<.001
[RAS Unit=8]	-3.504	.5443	-4.571	-2.437	41.443	1	<.001
[RAS Unit=9]	0 ^a	.	.	.	.	.	.
Female	-.289	.2019	-.685	.106	2.055	1	.152
White	.004	.3240	-.631	.639	.000	1	.991
Asian	.279	.3861	-.478	1.036	.522	1	.470
Years of service	.005	.0104	-.016	.025	.208	1	.649
Tenure track	.612	.2041	.212	1.013	8.999	1	.003
(Scale)	1.570 ^b	.1507	1.301	1.895			

Dependent Variable: Total proposals in \$

Model: (Intercept), Type of doctoral degree, Chair, RAS Unit, Female, White, Asian, Years of service, Tenure track

a. Set to zero because this parameter is redundant.

b. Maximum likelihood estimate.

(Figure 113A)

Dependent Variable → Independent Variables ↓	Total proposals submitted in \$ (OLS)	
[Type of doctoral degree = No Doctoral Degree]	-1.53	0.005
[Type of doctoral degree = Ph.D.]	-1.277	0.002
[Type of doctoral degree = M.D.]	-1.789	<0.001
[Type of doctoral degree = M.D., Ph.D.]	0	n/a
Chair	0.827	0.03
[RAS Unit = ABOSS]	-3.455	<0.001
[RAS Unit = Basic Science]	-2.992	<0.001
[RAS Unit = CAPS]	-3.862	<0.001
[RAS Unit = Cancer and Imaging]	-3.593	<0.001
[RAS Unit = Dept of Medicine]	-2.416	<0.001
[RAS Unit = Hospital & Speciality]	-2.937	<0.001
[RAS Unit = Pediatrics]	-3.074	<0.001
[RAS Unit = Public Health & Nursing]	-3.504	<0.001
[RAS Unit = Yerkes]	0	n/a
Female	-0.289	0.152
White	0.004	0.991
Asian	0.279	0.470
Years of Service	0.005	0.649
Tenure Track	0.612	0.003
	B	p-value

(Figure 113B)

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate
1	.247 ^a	.061	.025	1.10621

a. Predictors: (Constant), Type of doctoral degree, RAS Unit, Chair, Years of service, Asian, Female, Tenure track, White

(Figure 114)

Parameter Estimates

Parameter	B	Std. Error	95% Wald Confidence Interval		Hypothesis Test		
			Lower	Upper	Wald Chi-Square	df	Sig.
(Intercept)	2.380	.5370	1.328	3.433	19.646	1	<.001
[Type of doctoral degree=0]	-.360	.4325	-1.208	.488	.693	1	.405
[Type of doctoral degree=1]	-.034	.3246	-.670	.603	.011	1	.918
[Type of doctoral degree=2]	-.309	.3288	-.953	.336	.882	1	.348
[Type of doctoral degree=3]	0 ^a	.	.	.	.	.	.
Chair	.156	.3063	-.444	.756	.259	1	.611
[RAS Unit=1]	-2.045	.4259	-2.880	-1.210	23.049	1	<.001
[RAS Unit=2]	-1.399	.4413	-2.264	-.534	10.047	1	.002
[RAS Unit=3]	-2.252	.4538	-3.142	-1.363	24.631	1	<.001
[RAS Unit=4]	-1.949	.4216	-2.776	-1.123	21.377	1	<.001
[RAS Unit=5]	-1.377	.4376	-2.234	-.519	9.899	1	.002
[RAS Unit=6]	-1.872	.4666	-2.787	-.958	16.103	1	<.001
[RAS Unit=7]	-1.818	.4581	-2.716	-.920	15.745	1	<.001
[RAS Unit=8]	-1.666	.4369	-2.523	-.810	14.546	1	<.001
[RAS Unit=9]	0 ^a	.	.	.	.	.	.
Female	-.249	.1621	-.567	.069	2.362	1	.124
White	.013	.2600	-.497	.523	.003	1	.960
Asian	.035	.3099	-.573	.642	.013	1	.911
Years of service	.000	.0083	-.017	.016	.003	1	.959
Tenure track	.221	.1639	-.100	.542	1.822	1	.177
(Scale)	1.011 ^b	.0971	.838	1.221			

Dependent Variable: Total awards in \$

Model: (Intercept), Type of doctoral degree, Chair, RAS Unit, Female, White, Asian, Years of service, Tenure track

a. Set to zero because this parameter is redundant.

b. Maximum likelihood estimate.

(Figure 115A)

Dependent Variable → Independent Variables ↓	Total awards received in \$ (OLS)	
[Type of doctoral degree = No Doctoral Degree]	-0.36	0.405
[Type of doctoral degree = Ph.D]	-0.034	0.918
[Type of doctoral degree = M.D.]	-0.309	0.348
[Type of doctoral degree = M.D., Ph.D]	0	n/a
Chair	0.156	0.611
[RAS Unit = ABOSS]	-2.045	<0.001
[RAS Unit = Basic Science]	-1.399	0.002
[RAS Unit = CAPS]	-2.252	<0.001
[RAS Unit = Cancer and Imaging]	-1.949	<0.001
[RAS Unit = Dept of Medicine]	-1.377	0.002
[RAS Unit = Hospital & Speciality]	-1.872	<0.001
[RAS Unit = Pediatrics]	-1.818	<0.001
[RAS Unit = Public Health & Nursing]	-1.666	<0.001
[RAS Unit = Yerkes]	0	n/a
Female	-0.249	0.124
White	0.013	0.960
Asian	0.035	0.911
Years of Service	0.000	0.959
Tenure Track	0.221	0.177
	B	p-value

(Figure 115B)

Dependent Variable → Independent Variables ↓	Number of Proposals (negative binomial)			Number of Awards Received (negative binomial)			Total proposals submitted in \$ (OLS)		Total awards received in \$ (OLS)	
[Type of doctoral degree = No Doctoral Degree]	-0.841	0.431	0.027	-1.130	0.323	0.014	-1.53	0.005	-0.36	0.405
[Type of doctoral degree = Ph.D]	-0.242	0.785	0.335	-0.366	0.694	0.217	-1.277	0.002	-0.034	0.918
[Type of doctoral degree = M.D.]	-0.647	0.524	0.013	0.106	1.112	0.722	-1.789	<0.001	-0.309	0.348
[Type of doctoral degree = M.D., Ph.D]	0	1.000	n/a	0	1.000	n/a	0	n/a	0	n/a
Chair	-0.257	0.773	0.324	-0.112	0.894	0.685	0.827	0.03	0.156	0.611
[RAS Unit = ABOSS]	-0.707	0.493	0.035	-0.733	0.480	0.057	-3.455	<0.001	-2.045	<0.001
[RAS Unit = Basic Science]	-0.426	0.653	0.213	-0.098	0.907	0.802	-2.992	<0.001	-1.399	0.002
[RAS Unit = CAPS]	-0.927	0.396	0.012	-0.744	0.475	0.080	-3.862	<0.001	-2.252	<0.001
[RAS Unit = Cancer and Imaging]	-0.527	0.590	0.106	-0.325	0.723	0.379	-3.593	<0.001	-1.949	<0.001
[RAS Unit = Dept of Medicine]	0.081	1.084	0.808	0.300	1.350	0.427	-2.416	<0.001	-1.377	0.002
[RAS Unit = Hospital & Speciality]	-0.296	0.744	0.414	-0.32	0.726	0.438	-2.937	<0.001	-1.872	<0.001
[RAS Unit = Pediatrics]	-0.119	0.888	0.736	-0.621	0.537	0.130	-3.074	<0.001	-1.818	<0.001
[RAS Unit = Public Health & Nursing]	-0.379	0.685	0.265	-0.359	0.698	0.362	-3.504	<0.001	-1.666	<0.001
[RAS Unit = Yerkes]	0	n/a	n/a	0	1.000	n/a	0	n/a	0	n/a
Female	-0.147	0.863	0.281	-0.156	0.856	0.291	-0.289	0.152	-0.249	0.124
White	-0.448	0.639	0.034	-0.423	0.655	0.062	0.004	0.991	0.013	0.960
Asian	-0.225	0.799	0.369	-0.416	0.660	0.131	0.279	0.470	0.035	0.911
Years of Service	-0.003	0.997	0.700	0.012	1.012	0.147	0.005	0.649	0.000	0.959
Tenure Track	0.48	1.616	<0.001	0.159	1.172	0.320	0.612	0.003	0.221	0.177
	B	Exp(B)	p-value	B	Exp(B)	p-value	B	p-value	B	p-value

(Figure 116)