Enrollment, Course Success and One-Year Throughput through Transfer-Level English

The following analysis was conducted per request of COM's English Department. The analysis examines 1-year completion of transfer-level English from initial English enrollment at COM. Students included in the analysis were those taking their first English course at COM in Fall 2019, Spring 2020, and Fall 2020. All students taking their first English course at COM were included, regardless of their educational goal.

Data tables 1-6 show the fields described below, by term of first enrollment and for the three starting semesters combined. Results are disaggregated by GPA band, race/ethnicity, gender, age group, and SAS (documented disability) status.

Enrollment

Number of students taking their first English course at COM enrolled in ENGL 120, 120AC, 120SL, 150, and 150 with the corequisite 150C course. The students enrolled in the Puente section of ENGL 150 and 150C are not included in the ENGL150/C category, but are analyzed and shown as a separate group.

Success rate

The number and percentage of students earning a grade of A,B,C, or P in the initial course. The success rate for ENGL150/C shows the success rate in the ENGL150 section, not the 150C section.

Enrollment in transfer-level English

The number and percentage of students who enrolled in ENGL150 at COM within the first year of enrolling in their first English course. For students initially enrolled in ENGL150, the enrollment number is the same as the field indicating initial enrollment in ENGL150 or 150/C, and the percentage is 100%.

Completion of transfer-level English within 1 year ("1-year throughput")

The number and percentage of students earning a grade of A,B,C, or P in ENGL150. The percentage denominator is the number of students enrolled in the first English course in the left-hand column; it is not a success rate for the transfer-level English course, but the throughput rate from the starting course.

Significance Tests

Oneway ANOVA analysis with Bonferroni post-hoc comparisons were run to determine whether rates of 1-year completion of transfer-level English ("throughput") were statistically significant among groups of students starting in different English courses. The following lists the significant differences in throughput rates between groups. Differences for students starting in the Puente sections of English 150 and for 150SL are not noted here, as these courses are for specific groups of students not comparable to those enrolled in other gateway English courses. All differences are significant at p < .05 unless otherwise noted. ANOVA tables are presented in Appendix A.

All students combined

150 significantly higher than 120, 120AC, 120SL 150C significantly higher than 120

GPA 0 - 2.6

150 marginally higher than 120AC (p < .09)

GPA 2.6 - 4.0

150 significantly higher than 120 150C significantly higher than 120

No GPA

150 significantly higher than 120

Hispanic/Latino/a/x

150 significantly higher than 120150 significantly higher than 120AC

Multiracial

150 significantly higher than 120 150 marginally higher than 120AC (p < .079) 150C significantly higher than 120

White

150 significantly higher than 120 150 significantly higher than 120AC 150C significantly higher than 120 150C marginally higher than 120AC (p < .076)

Female

150 significantly higher than 120150 significantly higher than 120AC

Male

150 significantly higher than 120 150 significantly higher than 120AC 150C significantly higher than 120

Age 19 or younger

150 significantly higher than 120 150 significantly higher than 120 Age 40 – 49 150 significantly higher than 120

Age 50 and older

150 significantly higher than 120

Not SAS

150 significantly higher than 120150 significantly higher than 120AC150C significantly higher than 120

SAS

150 significantly higher than 120

Table 1. All students combined

Term of First English Enrollment

			Fall	2019					Spring	2020					Fall	2020					To	tal		
First English Course	# enrolled	% success	#tooktransferw/in 1year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	#tooktransferw/in 1year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	#tooktransferw/in 1year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	#tooktransferw/in 1year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year
120AC	22	82%	15	68%	12	55%	6	67%	2	33%	1	17%	19	63%	9	47%	7	37%	47	72%	26	55%	20	43%
120SL	18	67%	11	61%	9	50%	8	63%	3	38%	2	25%	17	65%	9	53%	6	35%	43	65%	23	53%	17	40%
120	41	63%	22	54%	14	34%	16	56%	8	50%	6	38%	31	74%	12	39%	10	32%	88	66%	42	48%	30	34%
150/C	17	56%	17	100%	13	76%	18	61%	18	100%	11	61%	4	25%	4	100%	1	25%	39	55%	39	100%	25	64%
150/C-Puente	22	68%	22	100%	18	82%							18	89%	18	100%	16	89%	40	78%	40	100%	34	85%
150	277	74%	277	100%	210	76%	141	65%	141	100%	94	67%	283	74%	283	100%	212	75%	701	72%	701	100%	516	74%
Total	397	72%	364	92%	276	70%	189	64%	172	91%	114	60%	372	73%	335	90%	252	68%	958	71%	871	91%	642	67%

Table 2: by GPA Band

					2019						2020					Fall 2	2020					То	tal		
		# enrolled	% snccess	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% snccess	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year
	120AC	6	50%	1	17%	1	17%	2	50%	1	50%	0	0%	6	33%	3	50%	1	17%	14	43%	5	36%	2	14%
	120SL	1	0%	0	0%	0	0%	1	100%	0	0%	0	0%	3	33%	0	0%	0	0%	5	40%	0	0%	0	0%
2.6	120	11	64%	7	64%	4	36%	7	29%	3	43%	2	29%	10	50%	3	30%	2	20%	28	50%	13	46%	8	29%
0	150/C	6	40%	6	100%	4	67%	7	29%	7	100%	2	29%	2	0%	2	100%	0	0%	15	29%	15	100%	6	40%
	150/C-Puente	5	60%	5	100%	4	80%							4	75%	4	100%	3	75%	9	67%	9	100%	7	78%
	150	44	48%	44	100%	22	50%	21	43%	21	100%	10	48%	43	51%	43	100%	24	56%	108	48%	108	100%	56	52%
	120AC	8	100%	7	88%	6	75%	3	67%	0	0%	0	0%	10	80%	5	50%	5	50%	21	86%	12	57%	11	52%
0	120SL	8	63%	5	63%	4	50%							4	50%	3	75%	2	50%	12	58%	8	67%	6	50%
- 4.	120	14	79%	8	57%	6	43%	2	50%	2	100%	1	50%	17	82%	7	41%	6	35%	33	79%	17	52%	13	39%
2.6	150/C	11	64%	11	100%	9	82%	10	90%	10	100%	9	90%	2	50%	2	100%	1	50%	23	74%	23	100%	19	83%
	150/C-Puente	17	71%	17	100%	14	82%							12	100%	12	100%	12	100%	29	83%	29	100%	26	90%
	150	192	78%	192	100%	154	80%	95	71%	95	100%	69	73%	199	76%	199	100%	153	77%	486	76%	486	100%	376	77%
	120AC	8	88%	7	88%	5	63%	1	100%	1	100%	1	100%	3	67%	1	33%	1	33%	12	83%	9	75%	7	58%
	120SL	9	78%	6	67%	5	56%	7	57%	3	43%	2	29%	10	80%	6	60%	4	40%	26	73%	15	58%	11	42%
GPA	120	16	50%	7	44%	4	25%	7	86%	3	43%	3	43%	4	100%	2	50%	2	50%	27	67%	12	44%	9	33%
2	150/C							1	0%	1	100%	0	0%							1	0%	1	100%	0	0%
	150/C-Puente													2	50%	2	100%	1	50%	2	50%	2	100%	1	50%
	150	41	80%	41	100%	34	83%	25	63%	25	100%	15	60%	41	88%	41	100%	35	85%	107	79%	107	100%	84	79%
To	tal	495	71%	440	85%	325	63%	233	66%	187	79%	127	54%	460	72%	399	83%	286	60%	1,188	70%	1,026	83%	738	60%

Table 3. by Race/Ethnicity

											Te	erm of F	irst En	glish Er	ırollmeı	nt									
				Fall	2019					Spring	g 2020					Fall 2	2020					То	tal		
		# enrolled	% success	#tooktransferw/in 1year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	#enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year
	120AC	3	100%	3	100%	3	100%							3	67%	2	67%	2	67%	6	83%	5	83%	5	83%
Asian	120SL	4	25%	2	50%	2	50%	4	75%	1	25%	1	25%	3	33%	1	33%	0	0%	11	45%	4	36%	3	27%
As	120	5	40%	2	40%	1	20%	2	100%	1	50%	1	50%							7	57%	3	43%	2	29%
	150	15	67%	15	100%	11	73%	7	86%	7	100%	6	86%	11	80%	11	100%	8	73%	33	75%	33	100%	25	76%
Ē.	120AC	2	100%	2	100%	1	50%													2	100%	2	100%	1	50%
or A	120SL	1	100%	1	100%	1	100%													1	100%	1	100%	1	100%
Black or Afri.	120	1	100%	1	100%	1	100%													1	100%	1	100%	1	100%
<u>B</u>	150	10	78%	10	100%	7	70%	8	38%	8	100%	3	38%	4	25%	4	100%	1	25%	22	52%	22	100%	11	50%
	120AC	12	67%	7	58%	5	42%	2	50%	0	0%	0	0%	8	38%	3	38%	2	25%	22	55%	10	45%	7	32%
U	120SL	10	70%	6	60%	4	40%	2	100%	1	50%	1	50%	9	67%	4	44%	4	44%	21	71%	11	52%	9	43%
Hispanic	120	12	58%	6	50%	4	33%	8	38%	3	38%	2	25%	14	86%	6	43%	5	36%	34	65%	15	44%	11	32%
lisp	150/C	9	25%	9	100%	6	67%	9	33%	9	100%	3	33%	3	0%	3	100%	0	0%	21	25%	21	100%	9	43%
_	150/C-Puente	22	68%	22	100%	18	82%							18	89%	18	100%	16	89%	40	78%	40	100%	34	85%
	150	93	65%	93	100%	62	67%	37	54%	37	100%	21	57%	88	68%	88	100%	62	70%	218	64%	218	100%	145	67%
_	120AC							1	0%	0	0%	0	0%	3	100%	2	67%	1	33%	4	75%	2	50%	1	25%
Multi-Racial	120SL													1	100%	1	100%	1	100%	1	100%	1	100%	1	100%
ti-R	120	3	33%	1	33%	0	0%							3	67%	0	0%	0	0%	6	50%	1	17%	0	0%
Muli	150/C							3	100%	3	100%	3	100%							3	100%	3	100%	3	100%
	150	24	74%	24	100%	19	79%	8	63%	8	100%	5	63%	18	83%	18	100%	16	89%	50	76%	50	100%	40	80%
	120AC	4	100%	2	50%	2	50%	3	100%	2	67%	1	33%	5	80%	2	40%	2	40%	12	92%	6	50%	5	42%
æ	120SL	1	100%	0	0%	0	0%							3	67%	2	67%	1	33%	4	75%	2	50%	1	25%
White	120	16	75%	9	56%	6	38%	6	67%	4	67%	3	50%	14	64%	6	43%	5	36%	36	69%	19	53%	14	39%
>	150/C	7	86%	7	100%	6	86%	6	83%	6	100%	5	83%	1	100%	1	100%	1	100%	14	86%	14	100%	12	86%
	150	119	82%	119	100%	101	85%	73	73%	73	100%	54	74%	150	75%	150	100%	116	77%	342	77%	342	100%	271	79%
То	tal	495	71%	440	85%	325	63%	233	66%	187	79%	127	54%	460	72%	399	83%	286	60%	1,188	70%	1,026	83%	738	60%

Table 4. by Gender

Term of First English Enrollment

											10		II SC LII	311311 L1	ii Oiiiiiei	10									
				Fall	2019					Spring	g 2020					Fall	2020					To	tal		
		#enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	#enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	#enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year
	120AC	11	91%	8	73%	6	55%	2	100%	0	0%	0	0%	11	64%	6	55%	5	45%	24	79%	14	58%	11	46%
a)	120SL	10	80%	7	70%	5	50%	4	100%	1	25%	1	25%	8	63%	2	25%	2	25%	22	77%	10	45%	8	36%
Female	120	16	81%	9	56%	7	44%	8	63%	5	63%	4	50%	16	81%	6	38%	6	38%	40	78%	20	50%	17	43%
Fen	150/C	6	67%	6	100%	6	100%	4	50%	4	100%	2	50%	1	0%	1	100%	0	0%	11	55%	11	100%	8	73%
	150/C-Puente	14	79%	14	100%	12	86%							9	89%	9	100%	8	89%	23	83%	23	100%	20	87%
	150	128	75%	128	100%	98	77%	71	75%	71	100%	52	73%	146	75%	146	100%	111	76%	345	75%	345	100%	261	76%
	120AC	9	67%	5	56%	4	44%	4	50%	2	50%	1	25%	8	63%	3	38%	2	25%	21	62%	10	48%	7	33%
	120SL	8	50%	4	50%	4	50%	4	25%	2	50%	1	25%	9	67%	7	78%	4	44%	21	52%	13	62%	9	43%
<u>e</u>	120	25	52%	13	52%	7	28%	8	50%	3	38%	2	25%	15	67%	6	40%	4	27%	48	56%	22	46%	13	27%
Male	150/C	10	44%	10	100%	6	60%	14	64%	14	100%	9	64%	3	33%	3	100%	1	33%	27	54%	27	100%	16	59%
	150/C-Puente	8	50%	8	100%	6	75%							8	100%	8	100%	8	100%	16	75%	16	100%	14	88%
	150	145	73%	145	100%	108	74%	69	55%	69	100%	41	59%	136	72%	136	100%	100	74%	350	69%	350	100%	249	71%
unr	120AC	2	100%	2	100%	2	100%													2	100%	2	100%	2	100%
or u	150/C	1	100%	1	100%	1	100%													1	100%	1	100%	1	100%
	150/C-Puente													1	0%	1	100%	0	0%	1	0%	1	100%	0	0%
Other	150	4	50%	4	100%	4	100%	1	100%	1	100%	1	100%	1	100%	1	100%	1	100%	6	67%	6	100%	6	100%
Tot	al	397	72%	364	92%	276	70%	189	64%	172	91%	114	60%	372	73%	335	90%	252	68%	958	71%	871	91%	642	67%

Table 5. by Age Group

											Te	erm of F	irst Eng	glish En	ırollmei	nt									
				Fall	2019					Spring	2020					Fall	2020					То	tal		
		# enrolled	% snccess	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year
	120AC	13	77%	7	54%	7	54%	4	50%	1	25%	0	0%	13	62%	7	54%	5	38%	30	67%	15	50%	12	40%
ıgeι	120SL	10	60%	7	70%	5	50%	2	50%	0	0%	0	0%	6	33%	3	50%	1	17%	18	50%	10	56%	6	33%
and younger	120	21	52%	11	52%	7	33%	8	38%	3	38%	1	13%	25	68%	11	44%	9	36%	54	57%	25	46%	17	31%
nd)	150/C	15	57%	15	100%	12	80%	10	40%	10	100%	4	40%	4	25%	4	100%	1	25%	29	46%	29	100%	17	59%
19 a	150/C-Puente	21	71%	21	100%	17	81%							16	88%	16	100%	14	88%	37	78%	37	100%	31	84%
	150	188	76%	188	100%	145	77%	74	66%	74	100%	50	68%	197	76%	197	100%	153	78%	459	74%	459	100%	348	76%
	120AC	6	100%	6	100%	4	67%	1	100%	0	0%	0	0%	5	60%	1	20%	1	20%	12	83%	7	58%	5	42%
	120SL	6	67%	3	50%	3	50%	5	60%	3	60%	2	40%	5	80%	2	40%	1	20%	16	69%	8	50%	6	38%
20-29	120	11	91%	8	73%	4	36%	5	80%	4	80%	4	80%	4	100%	1	25%	1	25%	20	90%	13	65%	9	45%
20	150/C	2	50%	2	100%	1	50%	8	88%	8	100%	7	88%							10	80%	10	100%	8	80%
	150/C-Puente	1	0%	1	100%	1	100%							2	100%	2	100%	2	100%	3	67%	3	100%	3	100%
	150	61	65%	61	100%	43	70%	50	71%	50	100%	36	72%	48	60%	48	100%	30	63%	159	65%	159	100%	109	69%
	120AC	2	100%	2	100%	1	50%	1	100%	1	100%	1	100%	1	100%	1	100%	1	100%	4	100%	4	100%	3	75%
30-39	120SL	2	100%	1	50%	1	50%	1	100%	0	0%	0	0%	4	75%	2	50%	2	50%	7	86%	3	43%	3	43%
30	120	5	60%	2		2	40%							1	100%	0	0%	0	0%	6	67%	2	33%	2	33%
	150	18	65%	18	100%	12	67%	12	33%	12	100%	4	33%	26	69%		100%	18	69%	56	60%			34	61%
6	120SL													1	100%	1	100%	1	100%	1	100%	1	100%	1	100%
40-49	120	2		0	0%	0	0%		100%	0		0	0%							3	67%	0	0%	0	0%
_	150	6	100%	6			100%	4	75%	4	100%	3	75%	6	100%	6	100%	5	83%	16	93%	16	100%	14	88%
older	120AC	1	0%	0	0%	0	0%													1	0%	0	0%	0	0%
90	120SL														100%		100%		100%	1	100%	1			100%
50 or	120	2		1			50%		50%		50%	1	50%		100%	0	0%	0	0%	5	60%	2	40%	2	40%
	150		100%		100%		100%		100%		100%		100%		100%		100%		100%	11	100%		100%		100%
То	tal	397	72%	364	92%	276	70%	189	64%	172	91%	114	60%	372	73%	335	90%	252	68%	958	71%	871	91%	642	67%

Table 6. by SAS Status

_					
Term	of Fu	rct Fn	ıalıch	Enrol	Iment

				Fall	2019					Spring	2020			•			2020					То	tal		
		# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	# took transfer w/in 1 year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year	# enrolled	% success	#tooktransferw/in 1year	% took transfer w/in 1 year	# completed transfer w/in 1 year	% completed transfer w/in 1 year
	120	3	33%	1	33%	1	33%	1	0%	0	0%	0	0%	5	100%	2	40%	1	20%	9	67%	3	33%	2	22%
	120AC	1	100%	1	100%	1	100%	1	100%	0	0%	0	0%	3	100%	2	67%	2	67%	5	100%	3	60%	3	60%
SAS	120SL	2	50%	2	100%	1	50%	1	100%	0	0%	0	0%							3	67%	2	67%	1	33%
8/	150	37	83%	37	100%	31	84%	15	57%	15	100%	8	53%	32	87%	32	100%	27	84%	84	80%	84	100%	66	79%
	150/C	4	33%	4	100%	2	50%	2	50%	2	100%	1	50%							6	40%	6	100%	3	50%
	150/C-Puente	2	50%	2	100%	2	100%													2	50%	2	100%	2	100%
	120	38	66%	21	55%	13	34%	15	60%	8	53%	6	40%	26	69%	10	38%	9	35%	79	66%	39	49%	28	35%
S	120AC	21	81%	14	67%	11	52%	5	60%	2	40%	1	20%	16	56%	7	44%	5	31%	42	69%	23	55%	17	40%
SA	120SL	16	69%	9	56%	8	50%	7	57%	3	43%	2	29%	17	65%	9	53%	6	35%	40	65%	21	53%	16	40%
Not	150	240	72%	240	100%	179	75%	126	66%	126	100%	86	68%	251	72%	251	100%	185	74%	617	71%	617	100%	450	73%
_	150/C	13	62%	13	100%	11	85%	16	63%	16	100%	10	63%	4	25%	4	100%	1	25%	33	58%	33	100%	22	67%
	150/C-Puente	20	70%	20	100%	16	80%							18	89%	18	100%	16	89%	38	79%	38	100%	32	84%
Tot	al	397	72%	364	92%	276	70%	189	64%	172	91%	114	60%	372	73%	335	90%	252	68%	958	71%	871	91%	642	67%

Appendix A. Significance Tests: One-Year Throughput Rates by First English Course

. oneway CompletedTransferlYear FirstCourse, tab bon

FirstCourse		Summary of Mean	CompletedTransfe Std. Dev.	erlYear Freq.
120 120AC 120SL 150 150/C		.34090909 .42553191 .39534884 .7360913 .64102564	.47673129 .49976868 .49471179 .44106509 .48597051	88 47 43 701 39 40
Total	+-	.67014614	.47040544	958

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	19.9737717 191.792408	5 952	3.99475433 .201462613	19.83	0.0000
Total	211.76618	957	.221281274		

Bartlett's test for equal variances: chi2(5) = 6.7008 Prob>chi2 = 0.244

Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	120	120AC	120SL	150	150/C
120AC	.084623 1.000				
120SL	.05444	030183 1.000			
150	.395182	.310559	.340742		
150/C	300117	.215494 0.403	.245677	095066 1.000	
150/C	.509091	.424468	.454651 0.000	.113909	.208974

^{-&}gt; gpaband = 1

FirstCourse		Summary of Mean	Std. Dev.	erlYear Freq.
	-+-			
120		.28571429	.46004371	28
120AC		.14285714	.36313652	14
120SL		0	0	5
150		.51851852	.50198636	108
150/C		. 4	.50709255	15
150/C-Pue		.7777778	.44095855	9
	-+-			
Total		.44134078	.49794002	179

Analysis of Variance Source

Analysis of variance
Source SS df MS F Prob > F

[.] bysort gpaband: oneway CompletedTransfer1Year FirstCourse, tab bon

Between groups 4.58698827 5 .917397653 4.01 0.0018 Within groups 39.5470899 173 .228595896

Total 44.1340782 178 .24794426

Bartlett's test for equal variances: chi2(4) = 2.3464 Prob>chi2 = 0.672

note: Bartlett's test performed on cells with positive variance: 1 multiple-observation cells not used

Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	 120	120AC	120SL	150	150/C
120AC	142857 1.000				
120SL	285714 1.000	142857 1.000			
150	.232804	.375661 0.094	.518519 0.283		
150/C	.114286 1.000	.257143 1.000	1.000	118519 1.000	
150/C	.492063	.634921 0.033	.777778 0.060	.259259 1.000	.377778 0.939

-> gpaband = 2

		Summary of	CompletedTransfe	er1Year
FirstCourse		Mean	Std. Dev.	Freq.
	+-			
120		.39393939	.49619766	33
120AC		.52380952	.51176632	21
120SL		.5	.52223297	12
150		.77366255	.41889122	486
150/C		.82608696	.38755339	23
150/C-Pue		.89655172	.30993405	29
	+-			
Total		.74668874	.43526812	604

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	7.02961071 107.213767	5 598	1.40592214	7.84	0.0000
Total	114.243377	603	.189458337		

Bartlett's test for equal variances: chi2(5) = 9.3036 Prob>chi2 = 0.098

Row Mean-	120	120AC	120SL	150	150/C
120AC	.12987				
120SL	1.000	02381 1.000			
150	.379723	.249853 0.125	.273663		
150/C	.432148	.302277 0.275	.326087 0.464	.052424 1.000	

.070465 .372742 .396552 .122889 0.033 0.098 1.000 .502612 150/C-.. I 0.000 1.000 ______ -> gpaband = 3 | Summary of CompletedTransfer1Year FirstCourse | Mean Std. Dev. Freq. _____ 120 | .33333333 .48038446 27 12 120AC | .58333333 .51492865 120SL | .42307692 .50383147 150 | .78504673 .41272306 26 107 150/C | 0 0 1 150/C-Pue.. | .5 .70710678 2 .64 .48137733 175 Total I Analysis of Variance
SS df MS F Prob > F Source Between groups 6.50110472 5 1.30022094 Within groups 33.8188953 169 .200111806 6.50 0.0000 _____ Total 40.32 174 .231724138 Bartlett's test for equal variances: chi2(4) = 3.1068 Prob>chi2 = 0.540 note: Bartlett's test performed on cells with positive variance: 1 single-observation cells not used Comparison of Completed~ar by FirstCourse (Bonferroni) Row Mean-| Col Mean | 120 120AC 120SL 150 150/C 120AC | .25 1.000 120SL | .089744 -.160256 | 1.000 1.000 150 | .451713 .201713 | 0.000 1.000 .36197 0.004 0.000 1.000 150/C | -.333333 -.583333 -.423077 -.785047 1.000 1.000 1.000 1.000 .166667 -.083333 .076923 -.285047 .5 1.000 1.000 1.000 1.000 1.000 150/C-.. | 1.000 . bysort race: oneway CompletedTransfer1Year FirstCourse, tab bon -> race = American Indian or Alaska Native | Summary of CompletedTransfer1Year FirstCourse | Mean Std. Dev. Freq. .75 .5 4 150 | .75 Total | Analysis of Variance SS df MS

F Prob > F

Between	groups	0	0	•
Within	groups	.75	3	.25
Tota	a 1	75	3	25

Comparison of Completed~ar by FirstCourse (Bonferroni)

-> race = Asian

FirstCourse		Summary of Mean	CompletedTrans: Std. Dev.	fer1Year Freq.
120 120AC 120SL 150		.28571429 .83333333 .27272727 .75757576	.48795004 .40824829 .46709937 .43519414	7 6 11 33
Total		.61403509	.49114974	57

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	3.00444293 10.504329	3 53	1.00148098 .198194887	5.05	0.0038
Total	13.5087719	56	.24122807		

Bartlett's test for equal variances: chi2(3) = 0.2454 Prob>chi2 = 0.970

Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	120	120AC	120SL
120AC 	.547619 0.188		
120SL 	012987 1.000	560606 0.098	
150 	.471861 0.083	075758 1.000	.484848

-> race = Black or African American

FirstCourse		-	CompletedTra	ansferlYear Freq.
120 120AC 120SL 150		1 .5 1 .5	0	1 2 1 22
Total		.53846154	.50839113	26

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	.461538462	-	.153846154 .272727273	0.56	0.6444
Total	6.46153846	25	.258461538		

Bartlett's test for equal variances: chi2(1) = 0.1830 Prob>chi2 = 0.669

note: Bartlett's test performed on cells with positive variance:
 2 single-observation cells not used

Row Mean- Col Mean	120	120AC	120SL	
120AC	5 1.000			
120SL 	0	.5 1.000		
150	5 1.000	0 1.000	5 1.000	

-> race = Hispanic

FirstCourse		Summary of Mean	CompletedTrans: Std. Dev.	ferlYear Freq.
120 120AC 120SL 150 150/C 150/C-Pue		.32352941 .31818182 .42857143 .66513761 .42857143	.47485808 .47673129 .50709255 .47302851 .50709255 .36162029	34 22 21 218 21 40
Total	+-	.60393258	.4897671	356

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	8.99983048 76.1546639	5 350	1.7999661 .217584754	8.27	0.0000
Total	85.1544944	355	.239871815		

Bartlett's test for equal variances: chi2(5) = 4.9461 Prob>chi2 = 0.422

Comparison of Completed~ar by FirstCourse (Bonferroni)

		'	(DOMITELIONII)		
Row Mean- Col Mean	 120	120AC	120SL	150	150/C
120AC	005348 1.000				
120SL	1.000	.11039 1.000			
150	.341608 0.001	.346956 0.015	.236566		
150/C	1.000	.11039 1.000	1.000	236566 0.406	
150/C	.526471	.531818 0.000	.421429 0.013	.184862 0.327	.421429 0.013

-> race = Multi-Racial

FirstCourse	_	CompletedTra Std. Dev.	
120	0	0	
120AC	.25	.5	4
120SL	1	0	1
150	.8	.40406102	50
150/C	1	0	3

Total | .703125 .46049275 64

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	4.609375 8.75	_	1.15234375 .148305085	7.77	0.0000
Total	13.359375	63	.212053571		

Bartlett's test for equal variances: chi2(1) = 0.2623 Prob>chi2 = 0.609

note: Bartlett's test performed on cells with positive variance:

- 1 single-observation cells not used
- 2 multiple-observation cells not used

Row Mean- Col Mean		120	120AC	120SL	150
120AC	1.0	.25)00			
120SL	0.1	1 194	.75 0.867		
150	0.0	.8	.55 0.079	2 1.000	
150/C	0.0	1 005	.75 0.134	0	.2 1.000

-> race = Native Hawaiian or Other Pacific Islan..

FirstCourse	 	_	CompletedT: Std. Dev	ransferlYear . Freq.
150		.5	.7071067	3 2
Total	т- 	.5	.7071067	3 2

	Analysis	of Vari	ance		
Source	SS	df	MS	F	Prob > F
Between groups	0	0	•		
Within groups	.5	1	.5		
Total	. 5	1	. 5		

Comparison of Completed~ar by FirstCourse (Bonferroni)

-> race = None/Unknown

FirstCourse	Summary of Mean	CompletedTra	ansfer1Year Freq.
120 120AC 120SL 150 150/C	.5 1 .4 .66666667	.57735027 0 .54772256 .4794633 0	4 1 5 30 1
Total	.63414634	.48765242	41

Analysis of Variance
Source SS df MS F Prob > F

Between	groups	.645528455	4	.161382114	0.66	0.6270
Within	groups	8.86666667	36	.246296296		

Total 9.51219512 40 .237804878

Bartlett's test for equal variances: chi2(2) = 0.2758 Prob>chi2 = 0.871

note: Bartlett's test performed on cells with positive variance: 2 single-observation cells not used

Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	120	120AC	120SL	150
120AC	.5 1.000			
120SL	1 1.000	6 1.000		
150	.166667 1.000	333333 1.000	.266667 1.000	
150/C	.5	0 1.000	.6 1.000	.333333 1.000

-> race = White

	Summary of	CompletedTransfe	er1Year
FirstCourse	Mean	Std. Dev.	Freq.
+			
120	.3888889	.49441323	36
120AC	.41666667	.51492865	12
120SL	.25	.5	4
150	.79239766	.40618472	342
150/C	.85714286	.36313652	14
+			
Total	.74264706	.43771223	408

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	7.78119932 70.1967419	4 403	1.94529983 .174185464	11.17	0.0000
Total	77.9779412	407	.191591993		

Bartlett's test for equal variances: chi2(4) = 4.3617 Prob>chi2 = 0.359

Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	120	120AC	120SL	150
120AC	.027778			
120SL 	138889 1.000	166667 1.000		
150 	.403509	.375731 0.023	.542398 0.101	
150/C 	.468254 0.004	.440476	.607143 0.107	.064745 1.000

. (Bonferroni)

Row Mean-|

Col Mean	120	120AC	120SL	150	150/C
120AC	.25 1.000				
120SL	.089744	160256 1.000			
150	.451713	.201713	.36197 0.004		
150/C	333333 1.000	583333 1.000	423077 1.000	785047 1.000	
150/C	.166667 1.000	083333 1.000	.076923 1.000	285047 1.000	.5 1.000

.

^{-&}gt; spbpers_sex = F

1	Summary of	CompletedTransfe	r1Year
FirstCourse	Mean	Std. Dev.	Freq.
+			
120	.425	.50064062	40
120AC	.45833333	.50897738	24
120SL	.36363636	.49236596	22
150	.75652174	.42980467	345
150/C	.72727273	.46709937	11
150/C-Pue	.86956522	.34435022	23
+			
Total	.69892473	.45921941	465

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	8.68688002 89.1625823	5 459	1.737376 .194253992	8.94	0.0000
Total	97.8494624	464	.210882462		

Bartlett's test for equal variances: chi2(5) = 5.6750 Prob>chi2 = 0.339

		,	2011202201127		
Row Mean- Col Mean		120AC	120SL	150	150/C
120AC 	.033333				
120SL	061364 1.000	094697 1.000			
150	.331522 0.000	.298188	.392885		
150/C 	.302273	.268939 1.000	.363636	029249 1.000	
150/C	.444565 0.002	.411232 0.022	.505929 0.002	.113043 1.000	.142292 1.000

[.] bysort spbpers_sex: oneway CompletedTransfer1Year FirstCourse, tab bon

^{-&}gt; spbpers_sex =
no observations

->	spbpers	sex	=	Μ
----	---------	-----	---	---

FirstCourse		Summary of Mean	CompletedTrans Std. Dev.	ferlYear Freq.
120		.27083333	.44909286	48
120AC 120SL		.333333333	.48304589 .50709255	21 21
150	i	.71142857	.45374685	350
150/C	1	.59259259	.50071174	27
150/C-Pue	 -	.875	.34156503	16
Total	i	. 63768116	.48116862	483

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	12.1827082 99.4114947	5 477	2.43654164 .208409842	11.69	0.0000
Total	111.594203	482	.231523243		

Bartlett's test for equal variances: chi2(5) = 3.1816 Prob>chi2 = 0.672

Row Mean-		·	,		
Col Mean		120AC	120SL	150	150/C
120AC	.0625 1.000				
120SL	.157738 1.000	.095238 1.000			
150 	.440595	.378095	.282857 0.091		
150/C 	.321759 0.053	.259259	.164021 1.000	118836 1.000	
150/C	.604167 0.000	.541667 0.006	.446429 0.051	.163571 1.000	.282407 0.757

^{-&}gt; spbpers_sex = N

FirstCourse	 	-	CompletedTra Std. Dev.	ansferlYear Freq.
120AC 150 150/C 150/C-Pue	i I	1 1 1 0	0 0 0 0	2 6 1 1
Total		.9	.31622777	10

Analysis of Variance

Source	SS	di	MS	F'	Prob > F
Between groups Within groups	.9	3 6	.3		
Total	. 9	9	.1		

Row	Mean-			
Col	Mean	120AC	150	150/C

150		0	
		•	
150/C		0	0
150/C	<u> </u>		·1 -:

.

. bysort agegroup2: oneway CompletedTransfer1Year FirstCourse, tab bon

-> agegroup2	= 19	and	younger
--------------	------	-----	---------

	Summary of	CompletedTransfe	r1Year
FirstCourse	Mean	Std. Dev.	Freq.
120	.31481481	.46880314	54
120AC	. 4	.49827288	30
120SL	.33333333	.48507125	18
150	.75816993	.42865908	459
150/C	.5862069	.50123001	29
150/C-Pue	.83783784	.37368388	37
Total	.68740032	.46392282	627

Analysis o	of Va	ariance
------------	-------	---------

Source	SS	df	MS	F	Prob > F
Between groups Within groups	15.6639418 119.066521	5 621	3.13278837 .191733528	16.34	0.0000
Total	134.730463	626	.215224381		

Bartlett's test for equal variances: chi2(5) = 5.0592 Prob>chi2 = 0.409

		,	DOMICTIONIT,		
Row Mean- Col Mean		120AC	120SL	150	150/C
120AC	.085185				
120SL	.018519 1.000	066667 1.000			
150	.443355	.35817 0.000	.424837 0.001		
150/C	.271392 0.109	.186207 1.000	.252874 0.821	171963 0.610	
150/C	.523023 0.000	.437838	.504505 0.001	.079668 1.000	.251631 0.312

^{-&}gt; agegroup2 = 20-29

	Summary of	CompletedTra	ansfer1Year
FirstCourse	Mean	Std. Dev.	Freq.
	+		
120	.45	.51041779	20
120AC	.41666667	.51492865	12
120SL	.375	.5	16
150	.68553459	.46576961	159
150/C	.8	.42163702	10
150/C-Pue	1	0	3

Total | .63636364 .48214272 220

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	3.41569468 47.4933962	5 214	.683138937 .221931758	3.08	0.0105
Total	50.9090909	219	.232461602		

Bartlett's test for equal variances: chi2(4) = 0.7699 Prob>chi2 = 0.942

note: Bartlett's test performed on cells with positive variance: 1 multiple-observation cells not used

> Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	120	120AC	120SL	150	150/C
120AC	033333				
120SL	075 1.000	041667 1.000			
150	.235535	.268868	.310535 0.190		
150/C	.35	.383333	.425 0.394	.114465	
150/C	.55	.583333 0.846	.625 0.542	.314465 1.000	.2 1.000

-> agegroup2 = 30-39

FirstCourse	 	Summary of Mean	CompletedTransf Std. Dev.	erlYear Freq.
120 120AC 120SL 150		.33333333 .75 .42857143 .60714286	.51639778 .5 .53452248 .49280538	6 4 7 56
Total		.57534247	.49771166	73

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	.680854534 17.1547619	3 69	.226951511	0.91	0.4394
Total	17.8356164	72	.247716895		

Bartlett's test for equal variances: chi2(3) = 0.0820 Prob>chi2 = 0.994

Row Mean- Col Mean	120	120AC	120SL
120AC	1.000		
120SL	.095238	321429 1.000	
150	.27381	142857	.178571

1.000 1.000 1.000

-> agegroup2 = 40-49

FirstCourse		Summary of Mean	CompletedTranstat. Dev.	ansfer1Year Freq.
120 120SL 150	+-	0 1 .875	0 0 .34156503	3 1 16
Total		.75	.44426166	20

Analysis of Variance Source SS df MS F Prob > F Between groups 2 2 1 9.71 0.0015 Within groups 1.75 17 .102941176 3.75 19 .197368421

Comparison of Completed~ar by FirstCourse (Bonferroni)

Row Mean- Col Mean	120	120SL
120SL	1	
150	.875 0.001	125 1.000

-> agegroup2 = 50-59

Total

		Summary of	CompletedTra	ansfer1Year
FirstCourse		Mean	Std. Dev.	Freq.
	+-			
120		. 4	.54772256	5
120AC		0	0	1
120SL		1	0	1
150		1	0	11
	+-			
Total		.7777778	.42779263	18

	Analysis	of Va	riance		
Source	SS	df	MS	F	Prob > F
Between groups Within groups	1.91111111	3 14	.637037037 .085714286	7.43	0.0032
Total	3 11111111	17	183006536		

Comparison of Completed~ar by FirstCourse

- ·			(Bonierroni)
Row Mean- Col Mean	· 12	20 120AC	120SL
120AC	 1.00		
120SL	0.49	6 1 95 0.180	
150	0.01	6 1 .2 0.033	0 1.000

^{-&}gt; agegroup2 = Unknown

no observations

-> agegroup2 = .
no observations

. bysort dsps: oneway CompletedTransferlYear FirstCourse, tab bon

-> dsps = 0

		Summary of	CompletedTransfe	er1Year
FirstCourse		Mean	Std. Dev.	Freq.
	+-			
120		.35443038	.48139686	79
120AC		.4047619	.49679577	42
120SL		. 4	.49613894	40
150		.72933549	.44466357	617
150/C		.66666667	.47871355	33
150/C-Pue	1	.84210526	.36953702	38
Total		.66548881	.47209742	849

Analysis of Variance

Source	SS	df	MS	F	Prob > F
Between groups Within groups	17.0188327 171.979989	5 843	3.40376654 .204009477	16.68	0.0000
Total	188.998822	848	.22287597		

Bartlett's test for equal variances: chi2(5) = 5.2869 Prob>chi2 = 0.382

Row Mean- Col Mean	 120	120AC	120SL	150	150/C
120AC	.050332 1.000				
120SL	.04557 1.000	004762 1.000			
150	.374905 0.000	.324574	.329335		
150/C	.312236	.261905 0.193	.266667 0.184	062669 1.000	
150/C	.487675	.437343	.442105	.11277 1.000	.175439 1.000

-> dsps = 1

		Summary of	CompletedTra	nsfer1Year
FirstCourse		Mean	Std. Dev.	Freq.
120	+-	.22222222	.44095855	9
120AC		.6	.54772256	5
120SL		.33333333	.57735027	3
150		.78571429	.41279035	84
150/C		.5	.54772256	6
150/C-Pue		1	0	2
Total	+-	.70642202	.45750435	109

Analysis of Variance

Source SS df MS F Prob > F

Between groups	3.54042522	5	.708085044	3.83	0.0032
Within groups	19.0650794	103	.185097858		
Total	22.6055046	108	.209310228		

Bartlett's test for equal variances: chi2(4) = 1.7871 Prob>chi2 = 0.775

note: Bartlett's test performed on cells with positive variance: 1 multiple-observation cells not used

Row Mean- Col Mean	 120	120AC	120SL	150	150/C
120AC	.377778 1.000				
120SL	1.000	266667 1.000			
150	.563492 0.005	.185714 1.000	.452381 1.000		
150/C	.277778 1.000	1 1.000	.166667 1.000	285714 1.000	
150/C	.777778 0.341	.4 1.000	.666667 1.000	.214286 1.000	.5 1.000