Addendum 1 New York State Board of Law Examiners Sample: Candidates with Valid LSAT Scores LSAT Score Analysis

This addendum includes all valid Law School Admission Test (LSAT) scores for domestic-educated candidates. The results below provide a view of domestic-educated candidate LSAT performance for all available LSAT scores from all available law schools in the New York State Board of Law Examiners sample (analogous tables and figures for the school-based sample are contained in section 3.2 and 3.5 of the primary report; Appendix F also contains analysis of all valid LSAT scores, portions of which are repeated below). Figures below include a horizontal line indicating a Multistate Bar Examination (MBE) score of 133, which is analogous to the 266 passing score in New York but rescaled to an MBE score. This horizontal line can be used to gauge where candidate MBE scores tend to fall relative to an MBE score of 133 at different levels of LSAT scores.

Patterns of performance comparing LSAT ranges against MBE scores were similar to patterns in performance comparing LSAT ranges against bar exam scores (and pass rates) in the main report, particularly for July exams.¹ As LSAT scores increased, MBE scores increased.² Also, MBE scores tended to be higher for candidates across years, such that 2017 MBE scores at a particular LSAT score range tended to be higher than 2016, which were higher than 2015. These patterns are consistent with results in the main report, where such patterns are discussed in more detail. That differences remain in MBE scores across years after accounting for LSAT score range indicates that LSAT by itself does not entirely explain improvements in MBE performance across years (i.e., before and after UBE adoption).

¹ Differences across February 2016 and February 2017 were larger than those observed in the main report, likely due to issues with the February sample that were described throughout the main report; although this pattern was also reported in Appendix F of the main report.

² There were instances where the number of candidates included in the groupings of LSAT scores was small and led to an observed decrease in means. Few candidates in the groups used to calculate means was likely to lead to unstable estimates and says more about the specific, few, candidates included in the group than about a group of candidates with a particular range of LSAT scores. Caution is warranted when interpreting the groups with small sample sizes.

	LSAT Means and Standard Deviations New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid LSAT Scores												
		February 2016	February 2017	July 2015	July 2016	July 2017							
LSAT	Mean	152.80	153.84	159.54	159.43	160.23							
(SEM 0.1 to 0.3)	(SD)	(7.38)	(7.93)	(9.06)	(8.63)	(8.99)							
	Correlation with MBE	.29	.42	.65	.58	.60							
	Ν	716	1549	2485	5322	4597							

Table AD1.1
LSAT Means and Standard Deviations
New York State Board of Law Examiners Sample
Domestic-Educated Candidates with Valid LSAT Scores

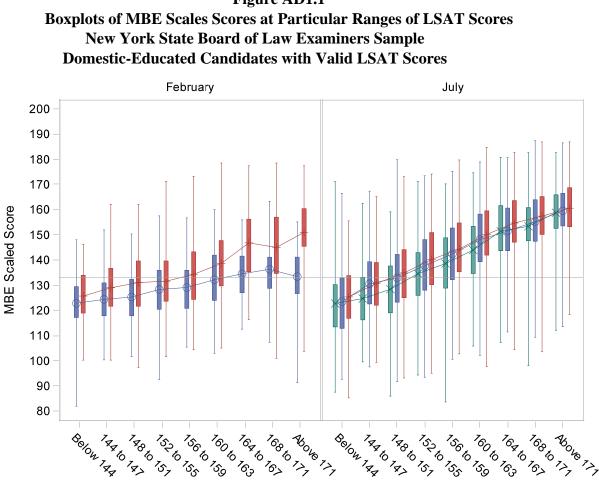
Table AD1.2
LSAT Means and Standard Deviations
First-Time Taker New York State Board of Law Examiners Sample
Domestic-Educated Candidates with Valid LSAT Scores

		February 2016	February 2017	July 2015	July 2016	July 2017
LSAT	Mean	153.16	156.61	160.55	160.30	161.45
(SEM 0.1 to 0.7)	(SD)	(7.56)	(8.57)	(8.75)	(8.39)	(8.49)
	Correlation with MBE	.19	.50	.63	.55	.56
	Ν	128	589	2187	4725	4039

	at Particular Ranges of LSAT Scores														
	New York State Board of Law Examiners Sample														
	Domestic-Educated Candidates with Valid LSAT Scores														
	February 2016February 2017July 2015July 2016												July 2017		
	MBE MBE							MBE			MBE			MBE	
	Mean (SD) N Mean (SD) N Mean								Ν	Mean	(SD)	Ν	Mean	(SD)	Ν
LSAT															
Below 144	122.80	(10.42)	63	125.67	(10.98)	113	122.70	(13.37)	86	123.42	(14.09)	133	125.30	(11.80)	151
144 to 147	124.33	(9.38)	94	128.93	(11.60)	210	124.68	(11.47)	150	130.52	(12.44)	305	130.63	(12.38)	259
148 to 151	125.28	(10.54)	167	131.02	(12.49)	330	128.37	(13.18)	265	132.88	(14.27)	630	134.85	(13.87)	457
152 to 155	128.27	(10.78)	169	131.55	(12.11)	328	134.54	(13.14)	382	137.73	(14.28)	841	140.19	(14.69)	580
156 to 159	129.05	(10.37)	104	134.27	(13.55)	215	138.56	(14.23)	360	142.38	(14.16)	790	144.28	(13.89)	625
160 to 163	132.13	(13.05)	57	138.59	(13.47)	148	143.94	(13.06)	338	148.04	(13.40)	730	150.12	(13.36)	678
164 to 167	134.48	(9.96)	32	146.77	(13.75)	108	151.41	(12.83)	360	151.50	(12.61)	802	154.66	(12.56)	765
168 to 171	136.28	(13.02)	21	144.97	(16.03)	59	153.36	(12.33)	294	155.19	(12.43)	665	157.40	(11.91)	617
Above 171	133.36	(19.39)	9	150.96	(14.97)	38	158.76	(11.15)	250	159.49	(10.92)	426	160.54	(11.37)	465

Table AD1.3MBE Scaled Score Means and Standard Deviations

3



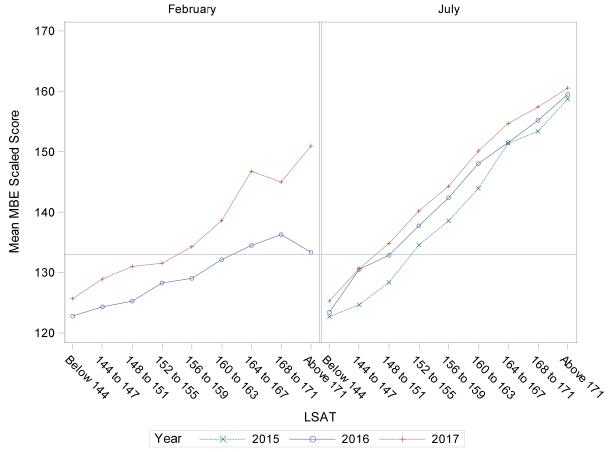
LSAT

■ 2015 ■ 2016 ■ 2017

Year

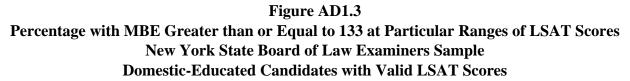
Figure AD1.1

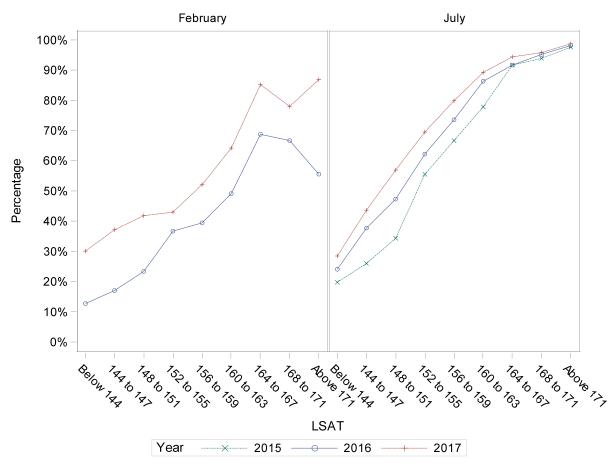
Figure AD1.2 Mean MBE Scaled Scores at Particular Ranges of LSAT Scores New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid LSAT Scores



Percentage with MBE Greater than or Equal to 133 at Particular Ranges of LSAT Scores New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid LSAT Scores

Don	iestic-E	duca	ted Cal	naiaa	ites wit	n va	lia LSA	<u> </u>	cores	
	Febru 201	,	February 2017		July 2015		July 2	016	July 2017	
	Mean	Ν	Mean	Ν	Mean	Ν	Mean	Ν	Mean	Ν
LSAT										
Below 144	12.7%	63	30.1%	113	19.8%	86	24.1%	133	28.5%	151
144 to 147	17.0%	94	37.1%	210	26.0%	150	37.7%	305	43.6%	259
148 to 151	23.4%	167	41.8%	330	34.3%	265	47.3%	630	56.9%	457
152 to 155	36.7%	169	43.0%	328	55.5%	382	62.2%	841	69.5%	580
156 to 159	39.4%	104	52.1%	215	66.7%	360	73.5%	790	79.8%	625
160 to 163	49.1%	57	64.2%	148	77.8%	338	86.3%	730	89.2%	678
164 to 167	68.8%	32	85.2%	108	91.7%	360	91.6%	802	94.4%	765
168 to 171	66.7%	21	78.0%	59	93.9%	294	95.2%	665	95.8%	617
Above 171	55.6%	9	86.8%	38	97.6%	250	98.1%	426	98.7%	465



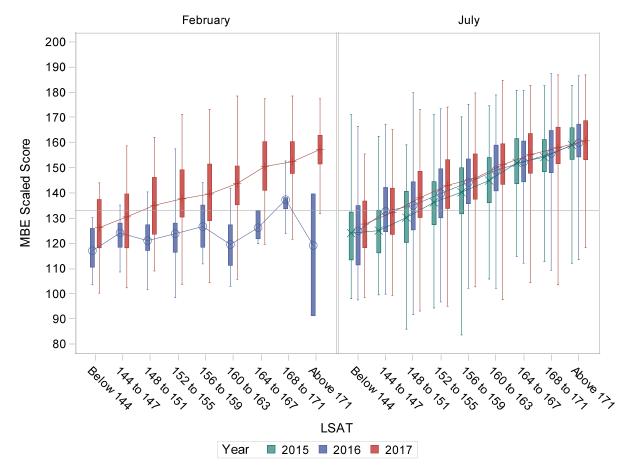


	at Particular Ranges of LSAT Scores														
		First-	Fim	e Taker	· New Y	ork	State B	oard of	Law	Exami	ners Sa	mple	:		
	Domestic-Educated Candidates with Valid LSAT Scores														
	Febr	February 2016February 2017July 2015July 2016											Ju	ıly 2017	
	MBE MBE MBE MBE								MBE			MBE			
	Mean	(SD)	N Mean (SD) N Mean (SD) N Mean (SD) N M							Mean	(SD)	Ν			
LSAT															
Below 144	117.06	(8.96)	7	126.21	(12.60)	29	124.03	(14.02)	51	124.90	(14.99)	75	127.63	(11.65)	82
144 to 147	124.08	(7.05)	18	130.47	(13.75)	55	125.03	(11.95)	106	132.65	(12.39)	226	132.27	(13.06)	165
148 to 151	121.05	(9.62)	37	135.10	(13.41)	104	130.22	(13.55)	202	135.07	(14.05)	487	138.06	(13.82)	320
152 to 155	123.81	(11.89)	29	137.67	(13.76)	103	136.26	(13.03)	316	139.76	(13.93)	710	143.05	(14.16)	458
156 to 159	126.63	(10.44)	14	139.58	(15.45)	75	140.28	(13.71)	321	144.21	(13.37)	702	145.80	(13.18)	566
160 to 163	119.53	(12.91)	9	143.74	(13.60)	81	144.93	(12.90)	310	148.98	(13.14)	683	151.24	(12.60)	642
164 to 167	126.16	(6.36)	5	150.52	(13.20)	78	151.94	(12.48)	350	152.29	(11.90)	774	155.19	(12.24)	742
168 to 171	137.32	(9.28)	6	152.42	(12.87)	37	154.24	(11.18)	284	155.69	(11.99)	649	157.97	(11.39)	602
Above 171	119.13	(25.05)	3	157.26	(9.79)	27	159.06	(10.88)	247	159.85	(10.56)	419	160.72	(11.16)	462

Table AD1.5MBE Scaled Score Means and Standard Deviations

8

Figure AD1.4 Boxplots of MBE Scales Scores at Particular Ranges of LSAT Scores First-Time Taker New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid LSAT Scores



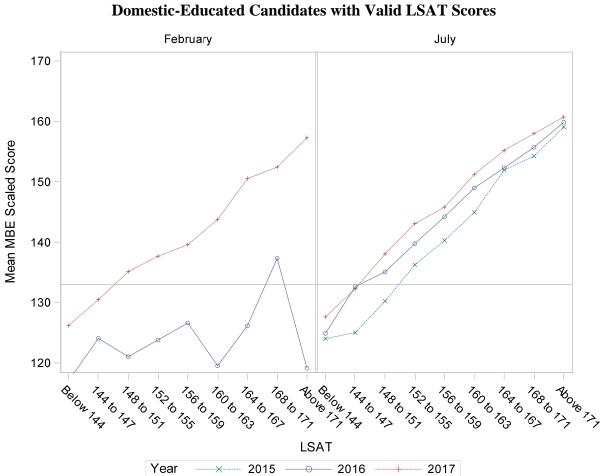
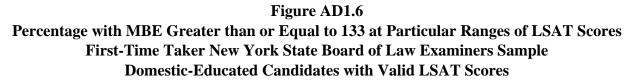


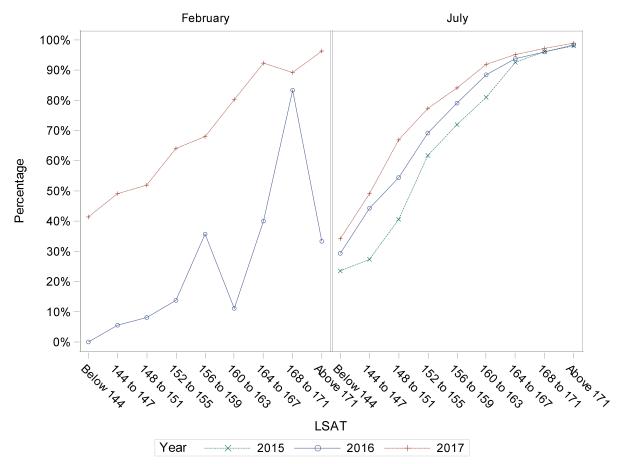
Figure AD1.5 Mean MBE Scaled Scores at Particular Ranges of LSAT Scores First-Time Taker New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid LSAT Scores

Table AD1.6

Percentage with MBE Greater than or Equal to 133 at Particular Ranges of LSAT Scores First-Time Taker New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid LSAT Scores

Dom	lestic-E	duca	ted Cal	naiaa	ites wit	n va	lia LSA	A I S	cores	
	Februa 2016	,	February 2017		July 2	015	July 2	016	July 2017	
	Mean	Ν	Mean	Ν	Mean	Ν	Mean	Ν	Mean	Ν
AT										
low 144	0.0%	7	41.4%	29	23.5%	51	29.3%	75	34.1%	82
4 to 147	5.6%	18	49.1%	55	27.4%	106	44.2%	226	49.1%	165
8 to 151	8.1%	37	51.9%	104	40.6%	202	54.4%	487	66.9%	320
2 to 155	13.8%	29	64.1%	103	61.7%	316	69.2%	710	77.3%	458
6 to 159	35.7%	14	68.0%	75	72.0%	321	79.1%	702	84.1%	566
0 to 163	11.1%	9	80.2%	81	81.0%	310	88.4%	683	91.9%	642
4 to 167	40.0%	5	92.3%	78	92.6%	350	93.8%	774	95.1%	742
8 to 171	83.3%	6	89.2%	37	96.1%	284	96.0%	649	97.2%	602
ove 171	33.3%	3	96.3%	27	98.0%	247	98.3%	419	98.9%	462
8 to 171	83.3%	6	89.2%	37	96.1%	284	96.0%	649	9	97.2%





Addendum 2 New York State Board of Law Examiners Sample: Candidates with Valid UGPAs UGPA Analysis

This addendum includes all valid undergraduate grade-point averages (UGPAs)³ for domestic-educated candidates. The results below provide a view of domestic-educated candidate UGPA performance for all available UGPAs scores from all available law schools in the New York State Board of Law Examiners sample (analogous tables and figures for the school-based sample are contained in section 3.2 and 3.5 of the primary report). Figures include a horizontal line indicating an Multistate Bar Examination (MBE) score of 133, which analogous to the 266 passing score in New York but rescaled to an MBE score. This horizontal line can be used to gauge where candidate MBE scores tend to fall relative to an MBE score of 133 at different levels of UGPA.

Patterns in performance comparing UGPAs against MBE scores were similar to patterns in performance comparing UGPAs against bar exam scores (and pass rates) in the main report, particularly for July exams.⁴ As UGPAs increased, MBE scores increased.⁵ Also, MBE scores tended to be higher for candidates across years, such that 2017 MBE scores at a particular UGPA range tended to be higher than 2016, which was higher than 2015. These patterns are consistent with results in the main report, where such patterns are discussed in more detail. That differences remain in MBE scores across years after accounting for UGPA indicates that UGPA by itself does not entirely explain improvements in MBE performance across years (i.e., before and after UBE adoption).

 ³ UGPAs that were not on a 4-point scaled were excluded from this analysis along with any missing UGPAs.
 ⁴ Differences across February 2016 and February 2017 were larger than those observed in the main report, likely due to issues with the February sample that were described throughout the main report.

⁵ There were instances where the number of candidates included in the groupings of UGPAs was small and led to an observed decrease in means. Few candidates in the groups used to calculate means was likely to lead to unstable estimates and says more about the specific, few, candidates included in the group than about a group of candidates with a particular range of UGPAs. Caution is warranted when interpreting the groups with small sample sizes.

	Table AD2.1 UGPA Means and Standard Deviations New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid UGPA Scores												
		February 2016	February 2017	July 2015	July 2016	July 2017							
UGPA	Mean	3.17	3.23	3.41	3.42	3.47							
(SEM < 0.1)	(SD)	(0.44)	(0.44)	(0.41)	(0.41)	(0.39)							
	Correlation with MBE	.14	.28	.47	.39	.45							
	Ν	700	1501	2421	5172	4432							

Table AD2.2
UGPA Means and Standard Deviations
New York State Board of Law Examiners Sample
Domestic-Educated Candidates with Valid UGPA Scores

		February 2016	February 2017	July 2015	July 2016	July 2017
UGPA	Mean	3.14	3.33	3.46	3.46	3.52
(SEM < 0.1)	(SD)	(0.42)	(0.43)	(0.39)	(0.38)	(0.36)
	Correlation with MBE	.07	.38	.44	.35	.40
	Ν	122	574	2122	4586	3895

	New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid UGPA Scores														
	Febr	February 2016February 2017July 2015July 2016													
		MBE		MBE				MBE			MBE		MBE		
	Mean	(SD)	Ν	Mean	(SD)	Ν	Mean	(SD)	Ν	Mean	(SD)	Ν	Mean	(SD)	Ν
UGPA															
Below 2.50	125.85	(11.27)	59	128.71	(11.25)	103	125.37	(14.26)	85	132.47	(13.82)	175	132.25	(14.12)	119
2.50 to 2.69	123.94	(10.77)	57	130.04	(12.80)	91	126.92	(13.05)	81	133.52	(15.65)	148	136.99	(16.25)	107
2.70 to 2.89	127.14	(11.52)	68	128.77	(12.40)	124	131.08	(14.66)	129	135.30	(14.91)	240	134.33	(14.52)	185
2.90 to 3.09	125.56	(10.87)	100	130.86	(13.31)	207	132.77	(15.91)	208	137.97	(15.11)	464	137.88	(15.46)	331
3.10 to 3.29	128.02	(11.14)	116	131.63	(12.73)	249	135.56	(15.20)	289	138.81	(15.16)	658	140.51	(15.89)	475
3.30 to 3.49	127.37	(10.88)	113	134.28	(13.53)	263	140.40	(14.66)	410	143.29	(15.67)	891	144.43	(15.50)	721
3.50 to 3.69	130.04	(10.76)	108	136.46	(13.18)	236	144.10	(15.49)	520	146.39	(15.33)	1087	148.97	(15.06)	988
3.70 to 3.89	130.80	(12.59)	57	142.14	(16.66)	176	150.85	(14.43)	503	151.34	(14.22)	1060	154.48	(13.15)	1037
Above 3.89	128.01	(12.06)	22	142.62	(16.34)	52	153.39	(15.83)	196	155.00	(14.06)	449	158.75	(12.58)	469

 Table AD2.3

 MBE Scaled Score Means and Standard Deviations at Particular Ranges of UGPAs

 New York State Board of Law Examiners Sample

 Domestic-Educated Candidates with Valid UCPA Scores

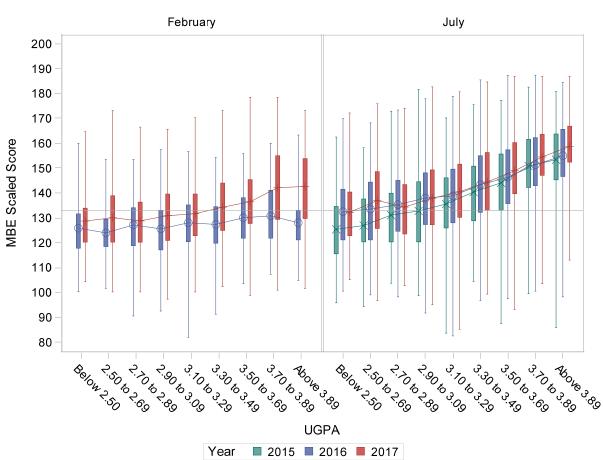
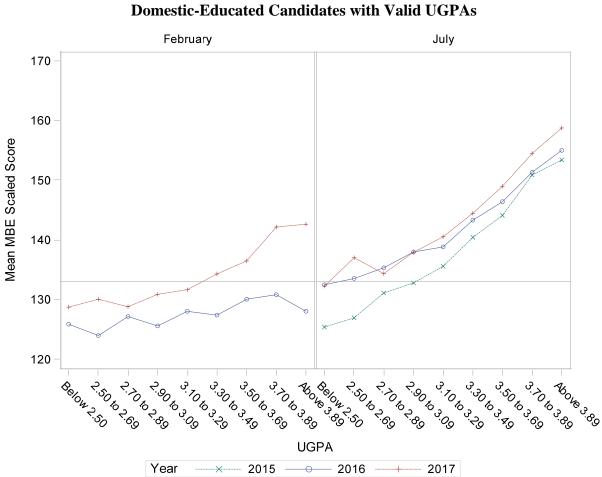


Figure AD2.1 Boxplots of MBE Scales Scores at Particular Ranges of UGPAs New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid UGPAs



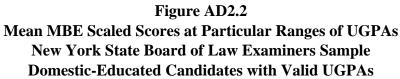
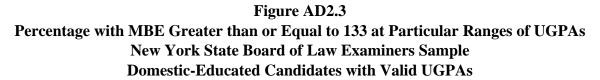
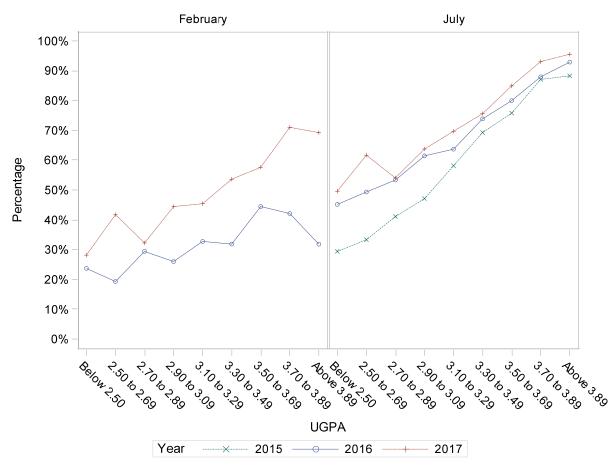


Table AD2.4
Percentage with MBE Greater than or Equal to 133 at Particular Ranges of UGPAs
New York State Board of Law Examiners Sample
Domestic-Educated Candidates with Valid UGPAs

	February 2016		February 2017		July 2	015	July 2	016	July 2017	
	Mean	Ν	Mean N		Mean	Ν	Mean	Ν	Mean	Ν
UGPA										
Below 2.50	23.7%	59	28.2%	103	29.4%	85	45.1%	175	49.6%	119
2.50 to 2.69	19.3%	57	41.8%	91	33.3%	81	49.3%	148	61.7%	107
2.70 to 2.89	29.4%	68	32.3%	124	41.1%	129	53.3%	240	54.1%	185
2.90 to 3.09	26.0%	100	44.4%	207	47.1%	208	61.4%	464	63.7%	331
3.10 to 3.29	32.8%	116	45.4%	249	58.1%	289	63.7%	658	69.7%	475
3.30 to 3.49	31.9%	113	53.6%	263	69.3%	410	73.8%	891	75.6%	721
3.50 to 3.69	44.4%	108	57.6%	236	75.8%	520	79.9%	1087	84.9%	988
3.70 to 3.89	42.1%	57	71.0%	176	87.1%	503	87.9%	1060	93.1%	1037
Above 3.89	31.8%	22	69.2%	52	88.3%	196	92.9%	449	95.5%	469

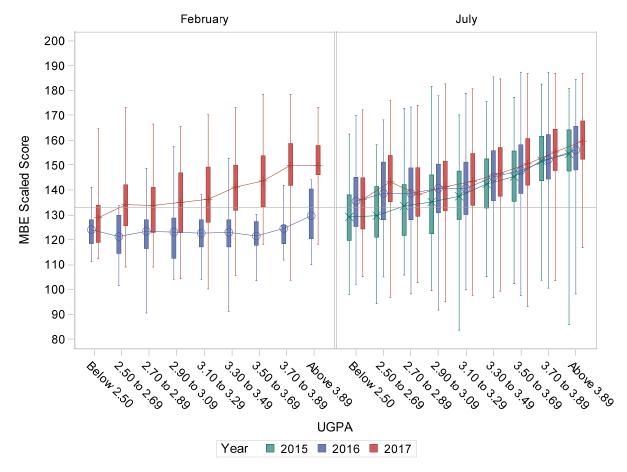


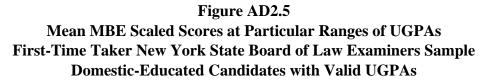


	Domestic-Educated Candidates with Valid UGPAs														
	February 2016 February 2017				July 2015			J	July 2016			July 2017			
	MBE			MBE			MBE			MBE			MBE		
	Mean	(SD)	Ν	Mean	(SD)	Ν	Mean	(SD)	Ν	Mean	(SD)	Ν	Mean	(SD)	Ν
UGPA															
Below 2.50	124.01	(9.00)	8	128.80	(12.91)	26	129.15	(15.03)	48	135.53	(14.00)	119	136.27	(15.36)	67
2.50 to 2.69	121.28	(9.90)	12	134.09	(13.85)	28	129.66	(13.54)	58	138.67	(15.74)	93	143.24	(14.93)	69
2.70 to 2.89	123.36	(13.07)	18	133.80	(14.99)	33	133.55	(15.41)	97	138.66	(14.71)	174	138.14	(14.57)	128
2.90 to 3.09	123.04	(12.78)	18	134.97	(15.49)	71	135.17	(16.03)	166	140.62	(14.55)	374	141.28	(14.91)	253
3.10 to 3.29	122.64	(8.21)	23	136.26	(15.69)	87	137.47	(14.83)	242	140.61	(14.69)	574	143.50	(15.28)	377
3.30 to 3.49	122.96	(13.91)	18	141.18	(13.83)	102	142.38	(14.24)	356	145.27	(14.83)	793	146.74	(14.78)	629
3.50 to 3.69	121.51	(7.26)	12	143.65	(13.18)	94	145.38	(14.84)	481	147.83	(14.55)	1011	150.51	(14.14)	920
3.70 to 3.89	124.52	(10.04)	6	149.97	(15.02)	100	151.74	(13.79)	485	152.27	(13.55)	1019	155.31	(12.45)	997
Above 3.89	129.63	(11.63)	7	149.81	(13.55)	33	154.56	(14.76)	189	156.09	(13.16)	429	159.65	(11.56)	455

Table AD2.5 MBE Scaled Score Means and Standard Deviations at Particular Ranges of UGPAs First-Time Taker New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid UGPAs

Figure AD2.4 Boxplots of MBE Scales Scores at Particular Ranges of UGPAs First-Time Taker New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid UGPAs





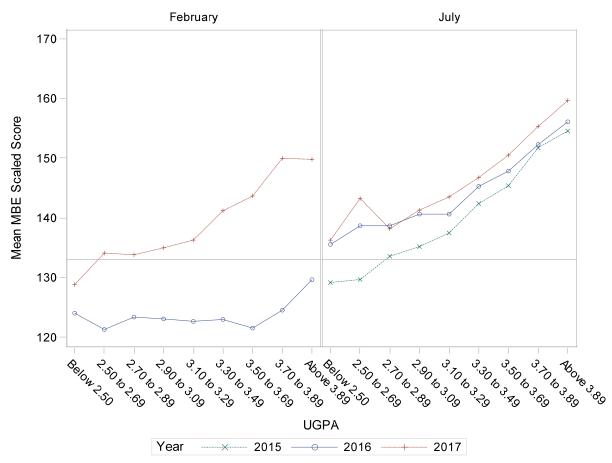


Table AD2.6 Percentage with MBE Greater than or Equal to 133 at Particular Ranges of UGPAs First-Time Taker New York State Board of Law Examiners Sample Domestic-Educated Candidates with Valid UGPAs

	February 2016		February 2017		July 2015		July 2016		July 2017	
	Mean	Ν	Mean N		Mean	Ν	Mean	Ν	Mean	Ν
UGPA										
Below 2.50	12.5%	8	30.8%	26	39.6%	48	57.1%	119	59.7%	67
2.50 to 2.69	8.3%	12	57.1%	28	44.8%	58	63.4%	93	76.8%	69
2.70 to 2.89	22.2%	18	51.5%	33	51.5%	97	62.6%	174	66.4%	128
2.90 to 3.09	16.7%	18	57.7%	71	53.6%	166	69.5%	374	73.9%	253
3.10 to 3.29	8.7%	23	59.8%	87	62.4%	242	68.6%	574	76.9%	377
3.30 to 3.49	22.2%	18	72.5%	102	75.0%	356	79.2%	793	81.6%	629
3.50 to 3.69	0.0%	12	77.7%	94	79.0%	481	84.1%	1011	88.5%	920
3.70 to 3.89	16.7%	6	88.0%	100	89.5%	485	90.0%	1019	94.7%	997
Above 3.89	42.9%	7	87.9%	33	91.0%	189	95.6%	429	97.6%	455

