

Master's Course Results: 2018-19 to 2022-23

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6 December 2023

Statistics (ST) Courses

Taught Master's marks and grades

A summary of mark and grade outcomes for taught postgraduate Master's students on Statistics (ST) courses over the last 5 years, 2018-19 to 2022-23. Results for students at other levels of study or non-award programmes are *excluded*.

Absent and Incomplete grades are *counted*, while the related zero marks are *excluded* from mark aggregates. Resit results, with capped grades and marks, are *excluded*.

Grades are based on the Taught Master's Classification schemes.

For each course, **Histograms** summarise the Agreed marks from the *most recent* year; **Barcharts** present the outcomes in grades. One filled to show the proportion of results in each grade, the other of counts in each grade. **Box-plots** simplify the distribution into quartiles, divided by the median. Notches around the median indicate the margin of error around the measure. **ecdf** (empirical cumulative distribution function) plots indicate the proportion of results up to a given mark, or mark for a given percentile.

The two tables summarise the marks and grades for all results by year.

Any comments or questions are welcome.

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Master's Course Results on Statistics (ST) Courses, 2018/19 to 2022/23

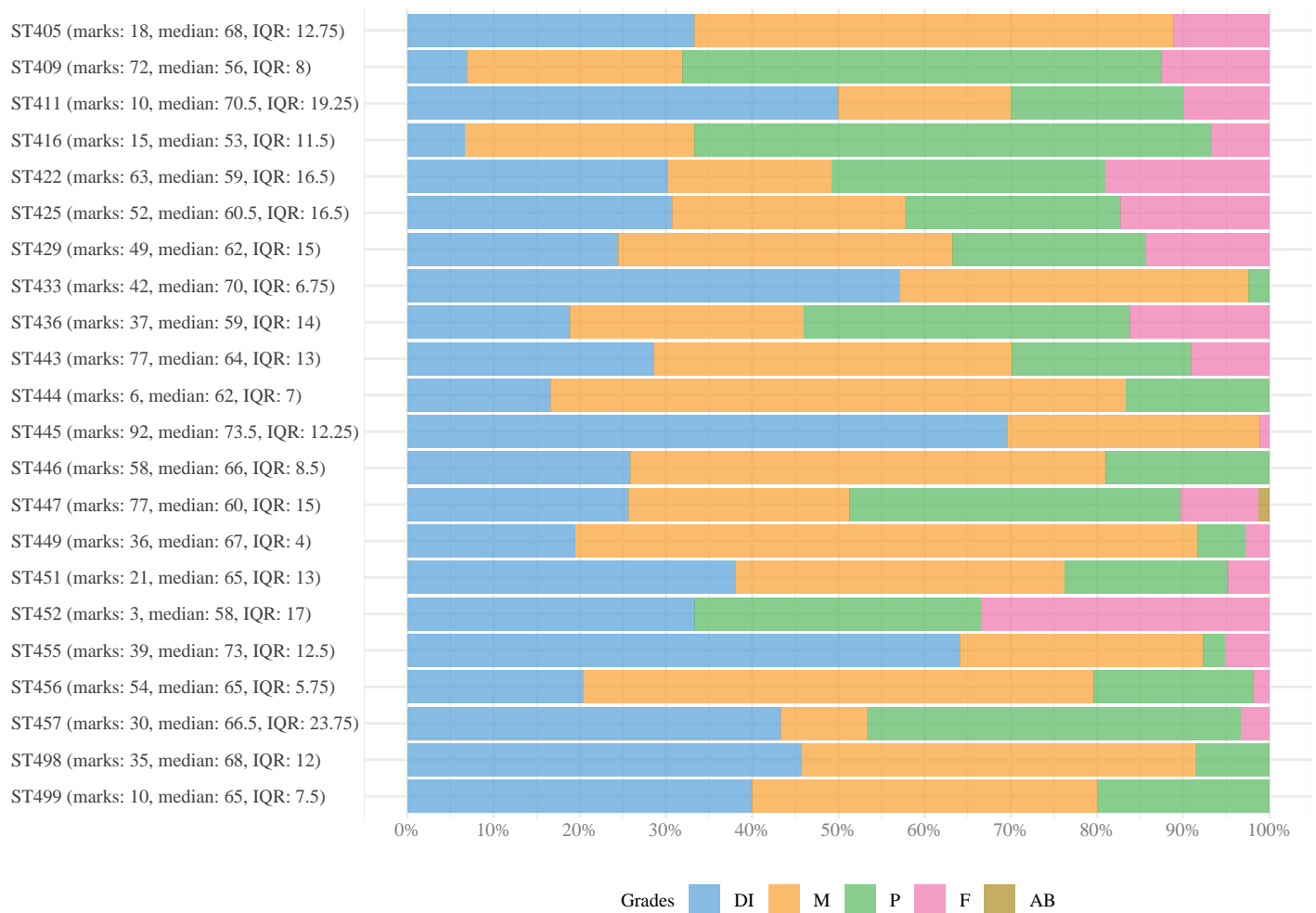
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	731	65.5	12.9	0	52.0	58.0	65.0	17.0	75.0	81.0	85.0	98
2019/20	703	72.6	13.0	3	58.0	64.0	73.0	18.0	82.0	90.0	92.0	99
2020/21	815	65.4	13.5	0	50.0	58.0	65.0	16.0	74.0	81.0	86.0	100
2021/22	855	67.0	12.3	17	52.0	60.0	67.0	15.0	75.0	83.0	87.0	96
2022/23	900	64.3	12.6	1	50.0	57.0	65.0	15.0	72.0	79.0	84.0	96

Mark summary – Mean, Standard deviation and Quantiles.

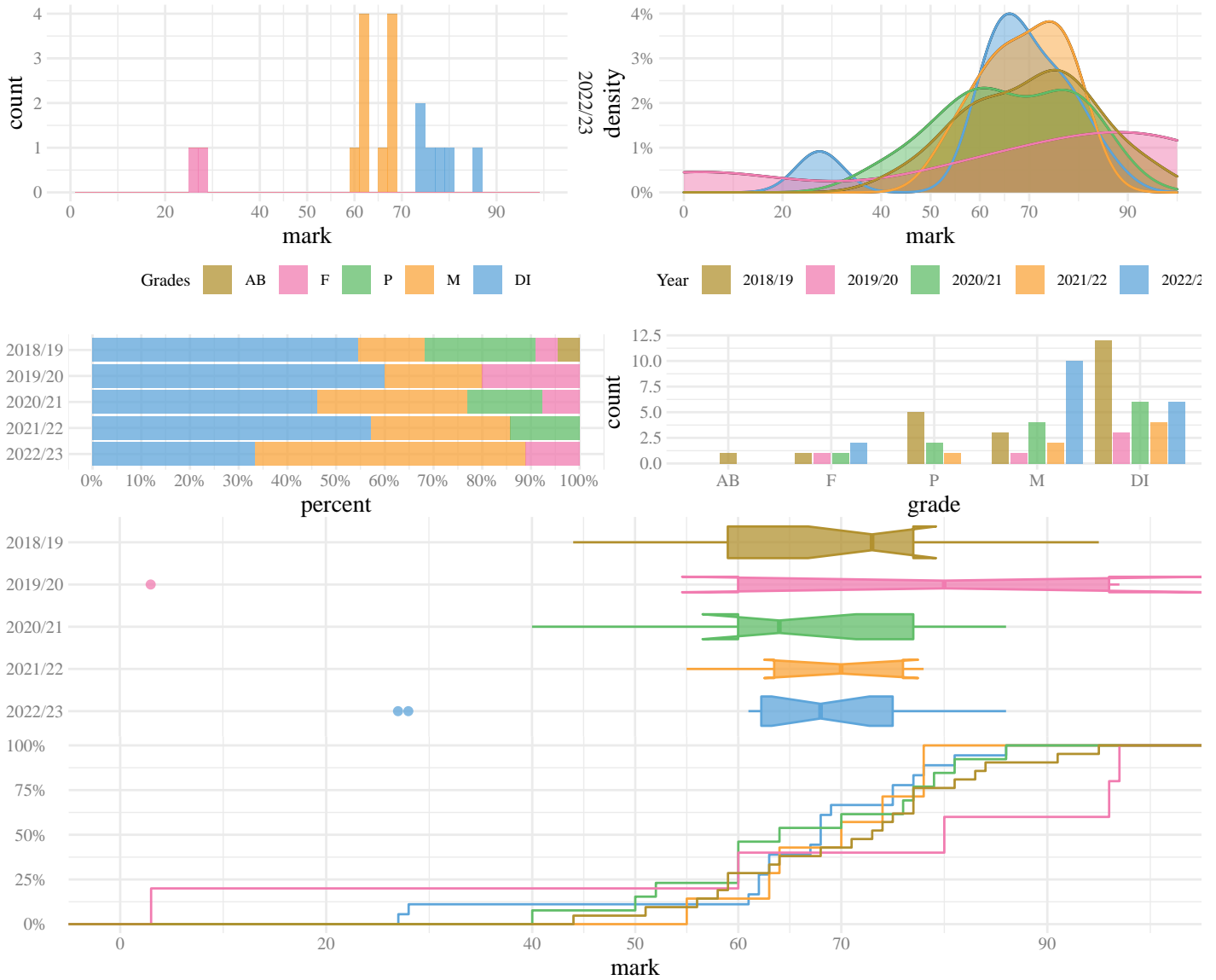
Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	735	4	46	177	236	272		0.5	6.3	24.1	32.1	37.0
2019/20	704	1	15	78	179	431		0.1	2.1	11.1	25.4	61.2
2020/21	819	4	64	181	259	311		0.5	7.8	22.1	31.6	38.0
2021/22	856	1	51	159	292	353		0.1	6.0	18.6	34.1	41.2
2022/23	901	1	69	206	321	304		0.1	7.7	22.9	35.6	33.7

Grade summary – Count and Percentage distribution (%).

Statistics (ST) course results in 2022/23



ST405: Multivariate Methods



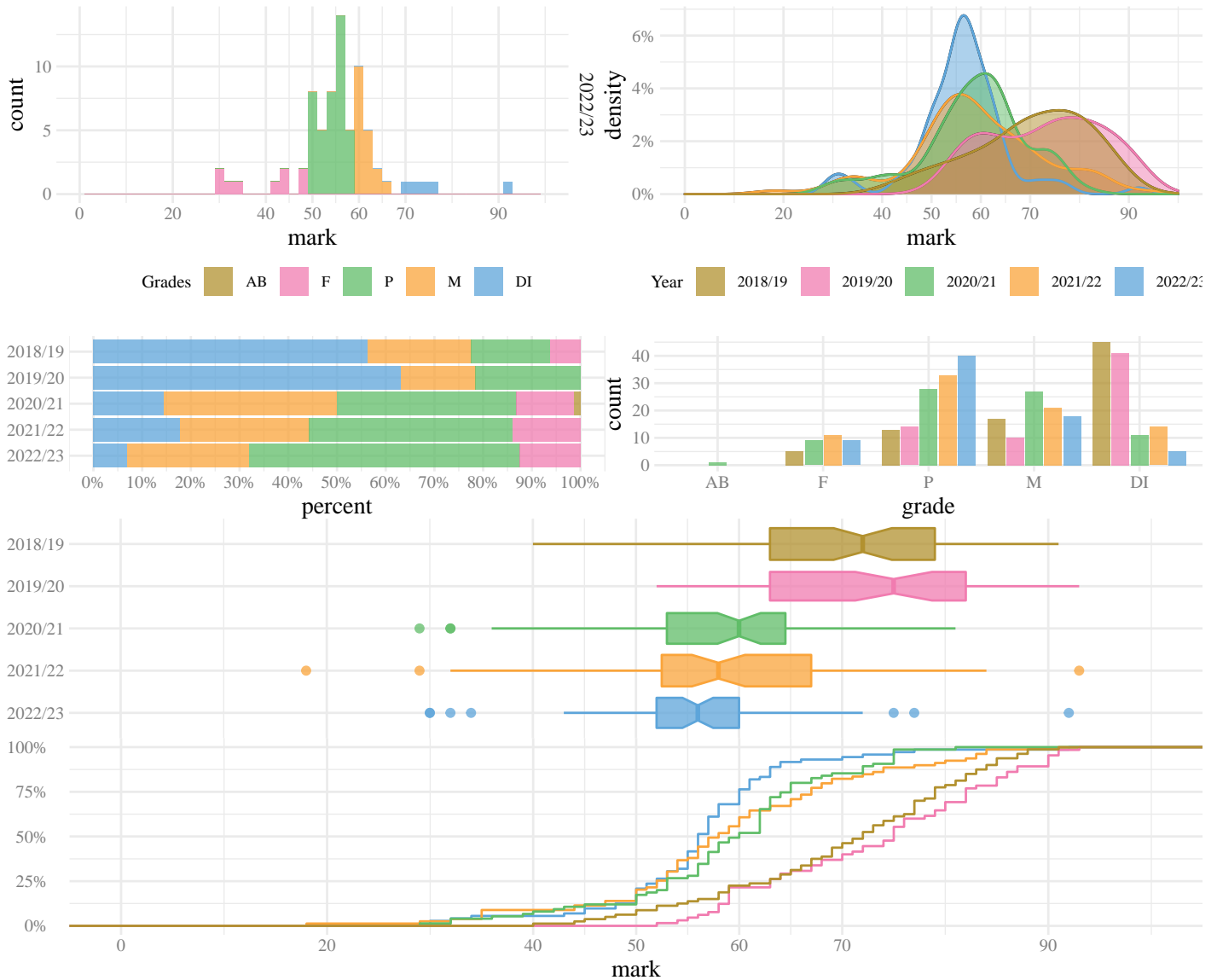
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	21	70.5	13.1	44	56.0	59.0	73.0	18.0	77.0	84.0	91.0	95
2019/20	5	67.2	38.9	3	25.8	60.0	80.0	36.0	96.0	96.6	96.8	97
2020/21	13	65.8	13.8	40	50.4	60.0	64.0	17.0	77.0	80.6	83.0	86
2021/22	7	68.9	8.6	55	59.8	63.5	70.0	12.5	76.0	78.0	78.0	78
2022/23	18	65.4	15.6	27	51.1	62.2	68.0	12.8	75.0	78.9	81.7	86

ST405: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	22	1	1	5	3	12	4.5	4.5	22.7	13.6	54.5	
2019/20	5		1		1	3		20.0		20.0	60.0	
2020/21	13		1	2	4	6		7.7	15.4	30.8	46.2	
2021/22	7			1	2	4			14.3	28.6	57.1	
2022/23	18		2		10	6		11.1		55.6	33.3	

ST405: Grade summary – Count and Percentage distribution (%).

ST409: Stochastic Processes



Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	80	70.1	11.9	40	52.0	63.0	72.0	16.0	79.0	84.1	87.0	91
2019/20	65	73.3	11.4	52	58.0	63.0	75.0	19.0	82.0	88.8	90.0	93
2020/21	75	58.8	10.7	29	43.8	53.0	60.0	11.5	64.5	72.6	75.0	81
2021/22	79	58.9	13.6	18	44.0	52.5	58.0	14.5	67.0	77.4	83.0	93
2022/23	72	56.1	9.6	30	48.0	52.0	56.0	8.0	60.0	63.9	70.9	92

ST409: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	80		5	13	17	45			6.2	16.2	21.2	56.2
2019/20	65			14	10	41				21.5	15.4	63.1
2020/21	76	1	9	28	27	11	1.3	11.8	36.8	35.5	14.5	
2021/22	79		11	33	21	14		13.9	41.8	26.6	17.7	
2022/23	72		9	40	18	5		12.5	55.6	25.0	6.9	

ST409: Grade summary – Count and Percentage distribution (%).

ST411: Generalised Linear Modelling and Survival Analysis



Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	23	60.8	11.1	38	51.4	56.0	60.0	9.5	65.5	73.2	80.3	89
2019/20	16	74.6	9.1	57	65.0	69.2	74.0	11.8	81.0	85.5	87.8	90
2020/21	14	58.1	18.1	17	29.2	60.2	62.5	5.8	66.0	72.7	75.4	80
2021/22	6	59.3	16.0	35	42.5	51.2	59.5	21.8	73.0	76.0	76.0	76
2022/23	10	65.5	16.1	29	51.5	57.8	70.5	19.2	77.0	78.4	80.2	82

ST411: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	23		2	9	8	4			8.7	39.1	34.8	17.4
2019/20	16			1	3	12				6.2	18.8	75.0
2020/21	14		3		8	3			21.4		57.1	21.4
2021/22	6		1	2	1	2			16.7	33.3	16.7	33.3
2022/23	10		1	2	2	5			10.0	20.0	20.0	50.0

ST411: Grade summary – Count and Percentage distribution (%).

ST416: Multilevel Modelling



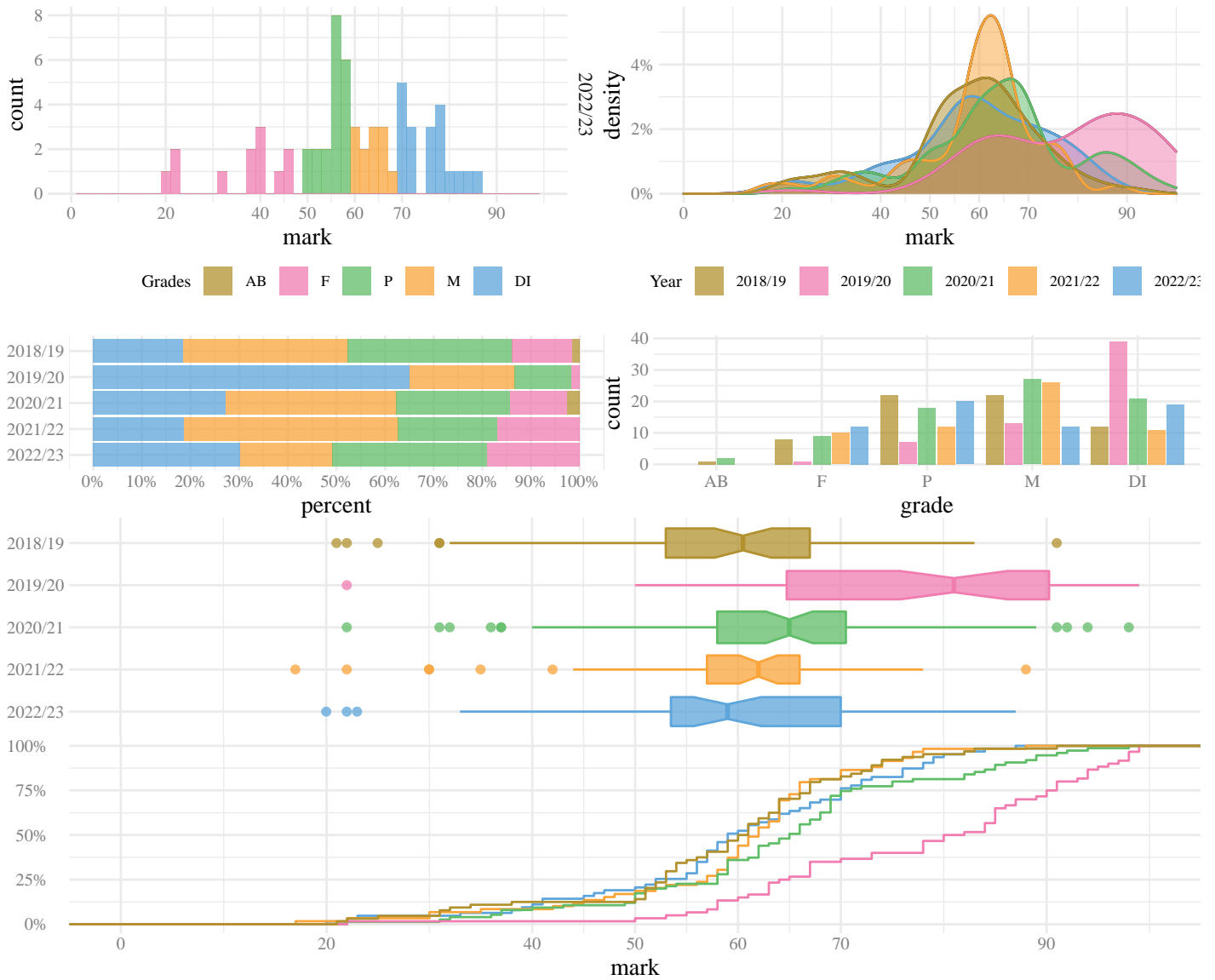
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	15	75.3	11.5	57	60.4	68.0	76.0	14.5	82.5	88.6	92.5	96
2019/20	23	63.3	15.1	10	55.4	58.5	61.0	12.0	70.5	80.2	84.6	87
2020/21	24	65.0	8.8	50	55.3	58.5	63.0	13.8	72.2	78.1	79.8	80
2021/22	18	63.9	10.4	51	51.7	55.2	63.5	14.5	69.8	74.0	82.2	89
2022/23	15	55.1	10.0	30	50.0	50.0	53.0	11.5	61.5	66.8	69.2	72

ST416: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	16	1		1	4	10		6.2		6.2	25.0	62.5
2019/20	23		1	7	7	8			4.3	30.4	30.4	34.8
2020/21	24			7	9	8				29.2	37.5	33.3
2021/22	18			7	6	5				38.9	33.3	27.8
2022/23	15		1	9	4	1			6.7	60.0	26.7	6.7

ST416: Grade summary – Count and Percentage distribution (%).

ST422: Time Series



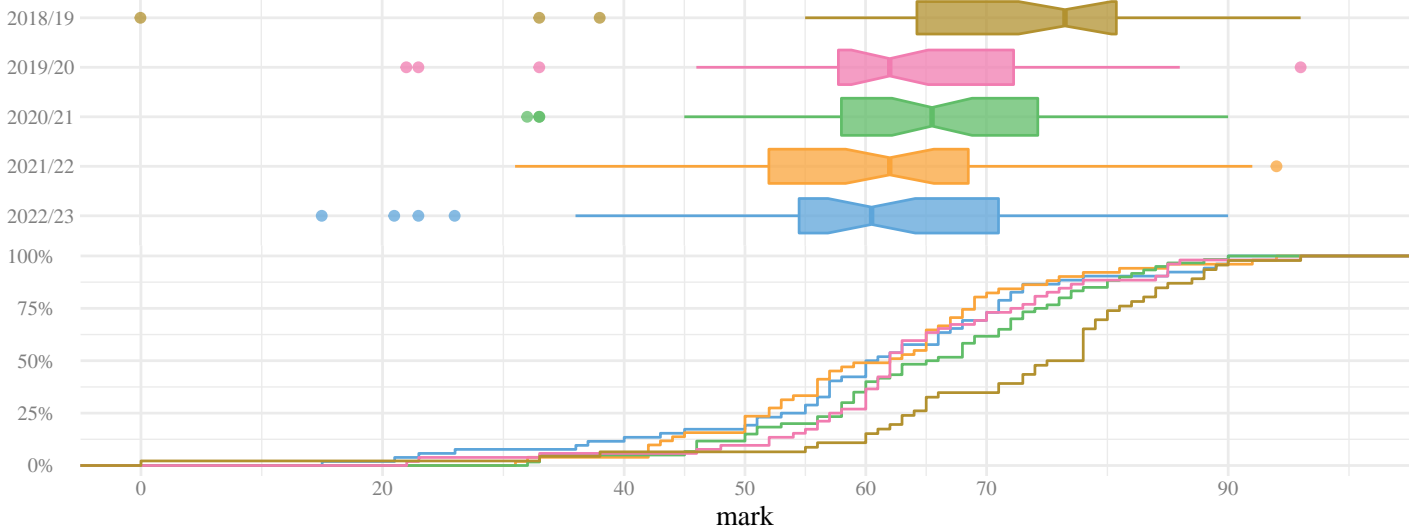
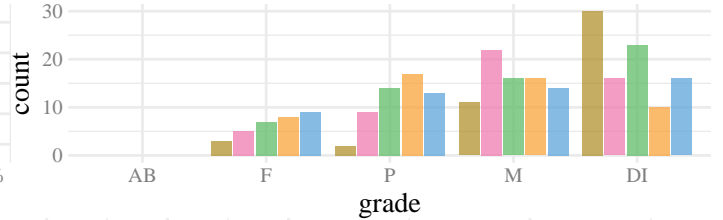
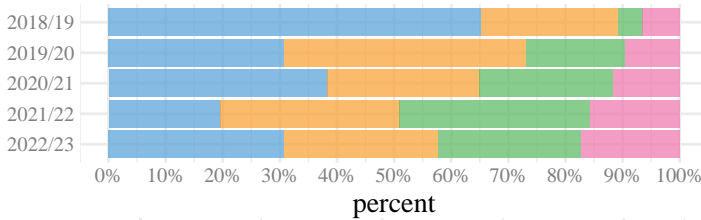
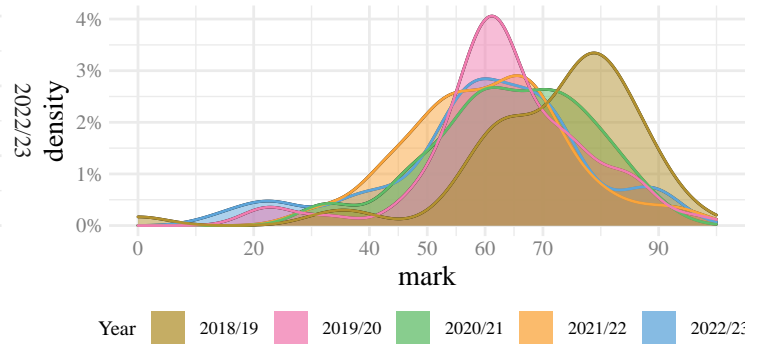
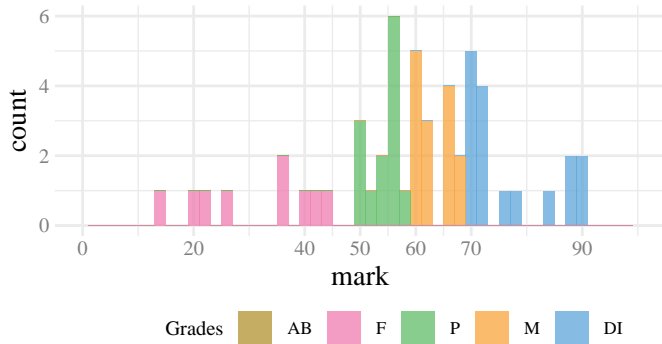
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	64	58.5	14.2	21	35.2	53.0	60.5	14.0	67.0	73.7	77.7	91
2019/20	60	77.5	15.9	22	58.0	64.8	81.0	25.5	90.2	96.1	98.0	99
2020/21	75	64.5	15.6	22	45.4	58.0	65.0	12.5	70.5	85.6	89.6	98
2021/22	59	59.5	13.3	17	43.6	57.0	62.0	9.0	66.0	74.0	77.0	88
2022/23	63	59.7	14.9	20	40.2	53.5	59.0	16.5	70.0	78.0	79.9	87

ST422: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	65	1	8	22	22	12		1.5	12.3	33.8	33.8	18.5
2019/20	60		1	7	13	39			1.7	11.7	21.7	65.0
2020/21	77	2	9	18	27	21		2.6	11.7	23.4	35.1	27.3
2021/22	59		10	12	26	11			16.9	20.3	44.1	18.6
2022/23	63		12	20	12	19			19.0	31.7	19.0	30.2

ST422: Grade summary – Count and Percentage distribution (%).

ST425: Statistical Inference: Principles, Methods and Computation



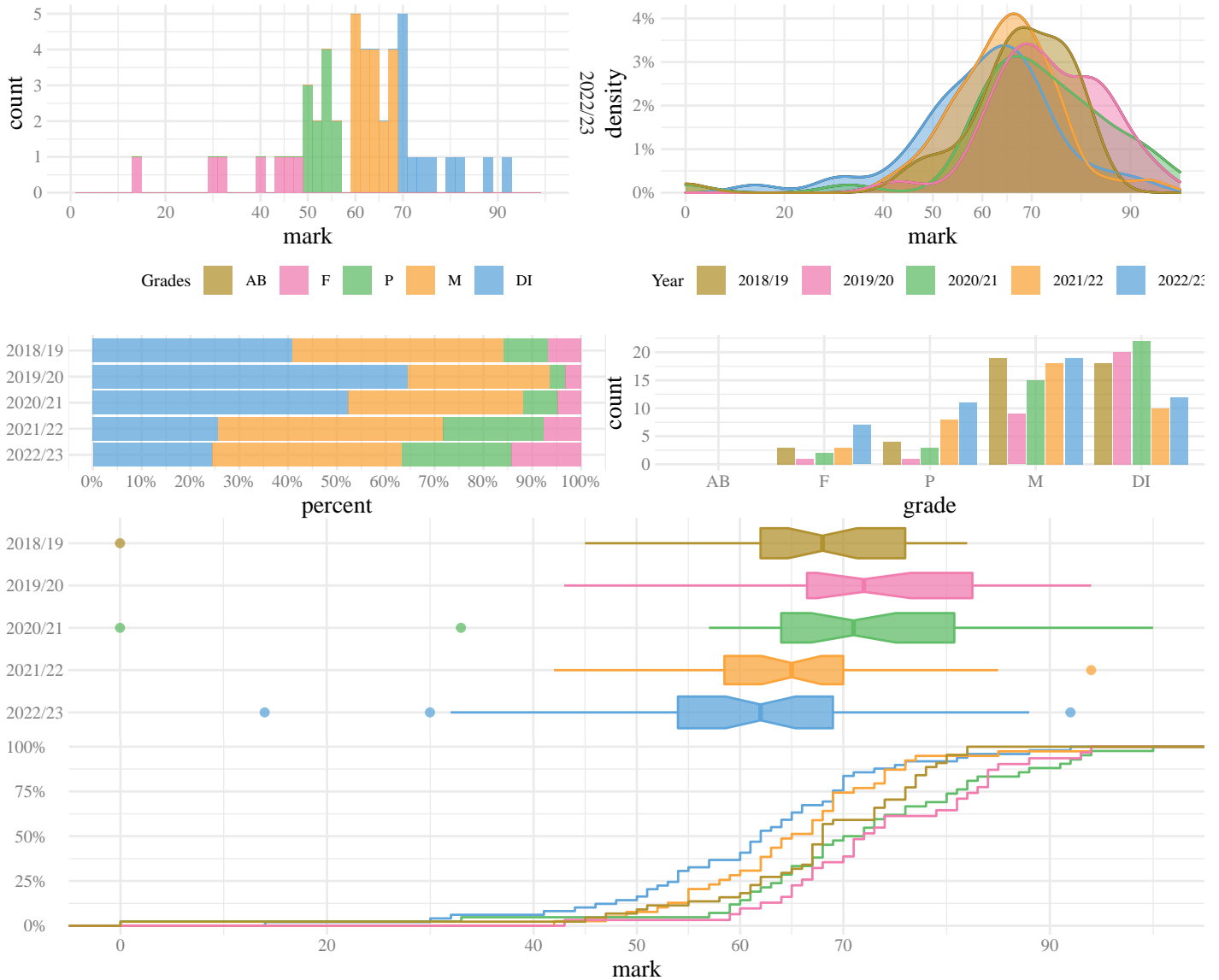
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	46	71.5	16.7	0	58.0	64.2	76.5	16.5	80.8	87.5	88.8	96
2019/20	52	63.6	14.1	22	52.0	57.8	62.0	14.5	72.2	83.4	85.0	96
2020/21	60	64.7	13.5	32	46.0	58.0	65.5	16.2	74.2	81.1	84.0	90
2021/22	51	60.6	13.6	31	43.0	52.0	62.0	16.5	68.5	76.0	83.0	94
2022/23	52	60.2	16.9	15	37.3	54.5	60.5	16.5	71.0	77.8	88.4	90

ST425: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	46		3	2	11	30		6.5	4.3	23.9	65.2	
2019/20	52		5	9	22	16		9.6	17.3	42.3	30.8	
2020/21	60		7	14	16	23		11.7	23.3	26.7	38.3	
2021/22	51		8	17	16	10		15.7	33.3	31.4	19.6	
2022/23	52		9	13	14	16		17.3	25.0	26.9	30.8	

ST425: Grade summary – Count and Percentage distribution (%).

ST429: Statistical Methods for Risk Management



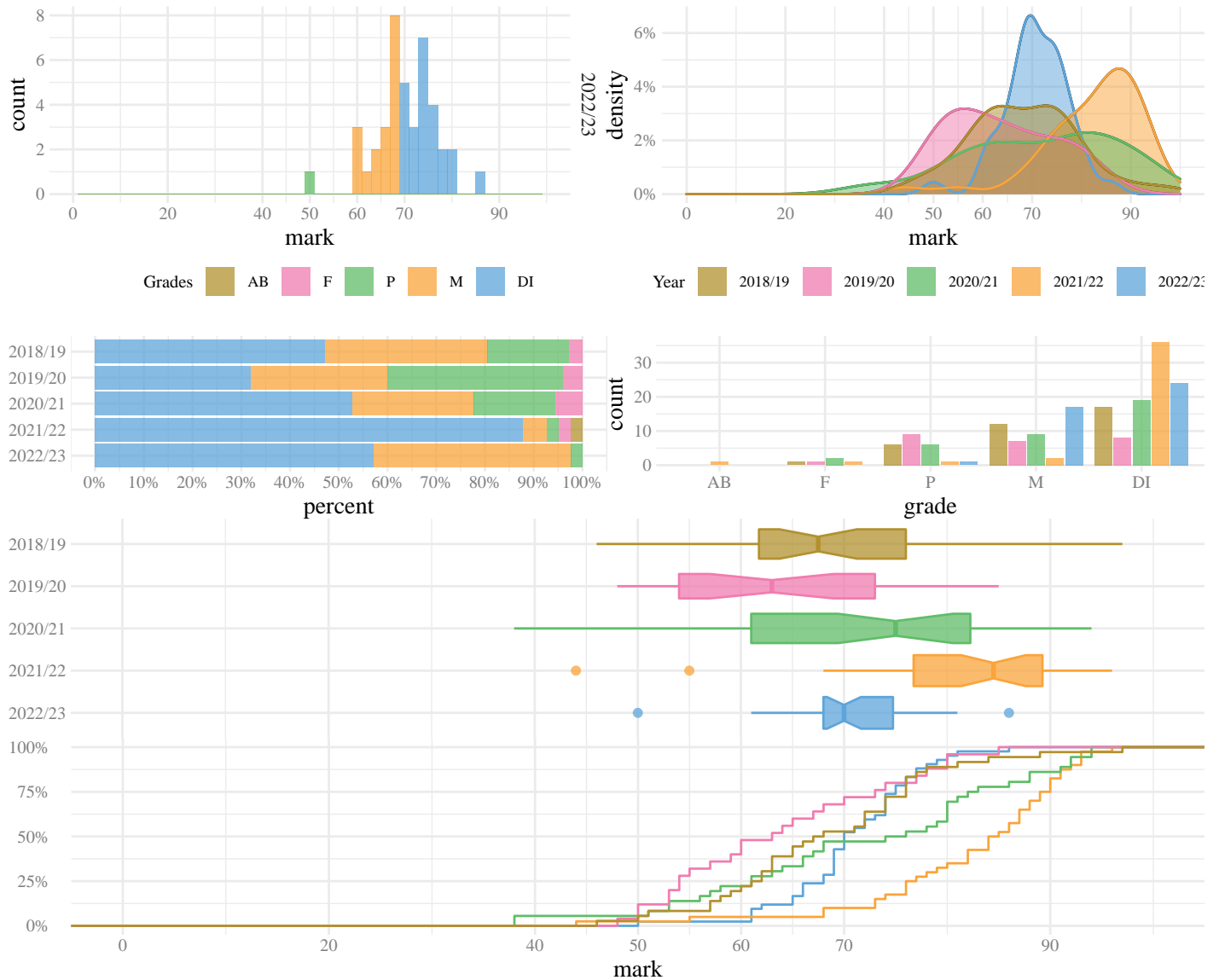
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	44	66.7	13.9	0	52.2	62.0	68.0	14.0	76.0	78.7	80.0	82
2019/20	31	73.5	11.1	43	62.0	66.5	72.0	16.0	82.5	85.0	90.5	94
2020/21	42	70.9	16.9	0	59.1	64.0	71.0	16.8	80.8	90.7	92.9	100
2021/22	39	65.0	10.3	42	52.8	58.5	65.0	11.5	70.0	76.0	77.8	94
2022/23	49	60.8	14.2	14	45.6	54.0	62.0	15.0	69.0	75.2	81.6	92

ST429: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	44		3	4	19	18		6.8	9.1	43.2	40.9	
2019/20	31		1	1	9	20		3.2	3.2	29.0	64.5	
2020/21	42		2	3	15	22		4.8	7.1	35.7	52.4	
2021/22	39		3	8	18	10		7.7	20.5	46.2	25.6	
2022/23	49		7	11	19	12		14.3	22.4	38.8	24.5	

ST429: Grade summary – Count and Percentage distribution (%).

ST433: Computational Methods in Finance and Insurance



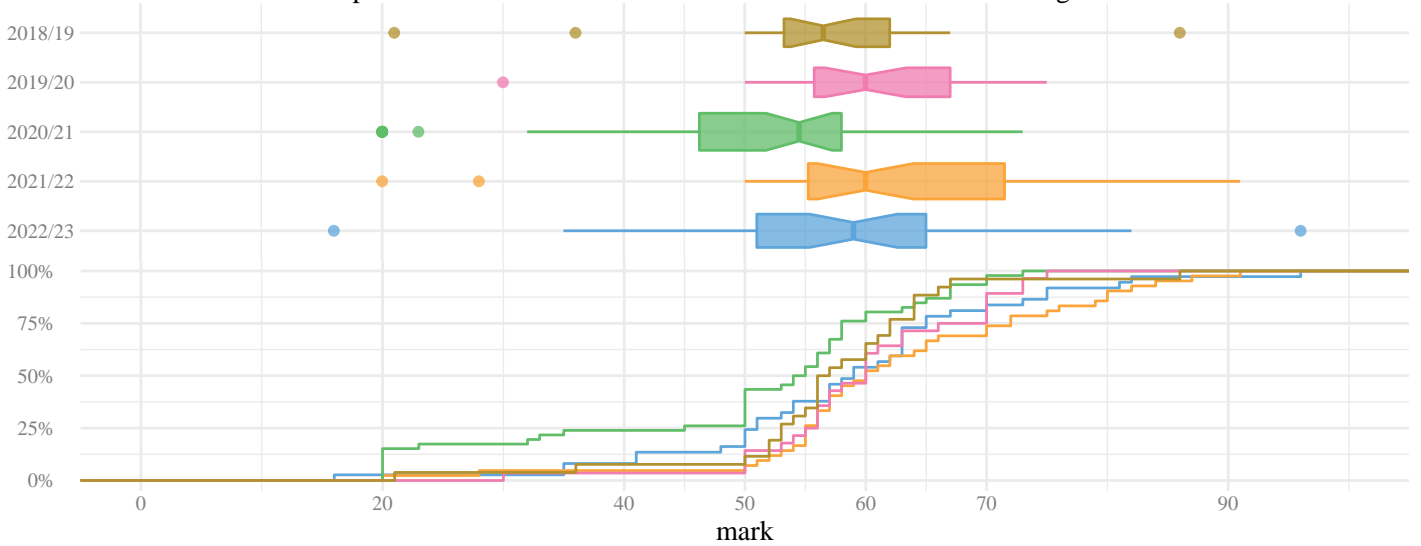
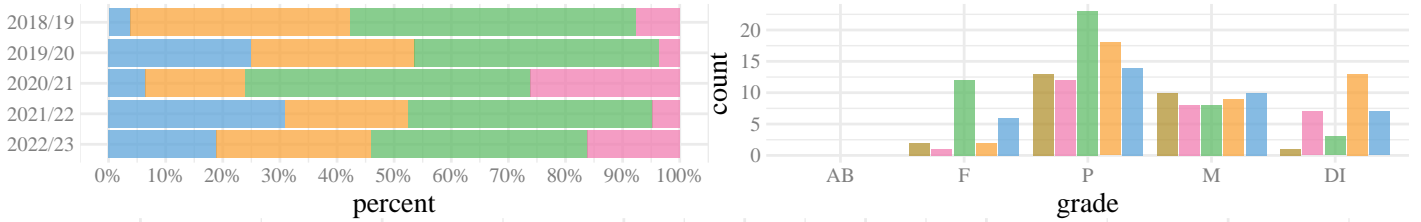
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	36	68.4	10.8	46	57.0	61.8	67.5	14.2	76.0	79.5	85.2	97
2019/20	25	63.9	10.9	48	51.2	54.0	63.0	19.0	73.0	79.2	80.0	85
2020/21	36	71.8	15.3	38	53.0	61.0	75.0	21.2	82.2	91.5	92.5	94
2021/22	40	82.2	10.5	44	72.5	76.8	84.5	12.5	89.2	92.1	93.0	96
2022/23	42	70.7	6.5	50	62.3	68.0	70.0	6.8	74.8	77.9	79.9	86

ST433: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	36		1	6	12	17		2.8	16.7	33.3	47.2	
2019/20	25		1	9	7	8		4.0	36.0	28.0	32.0	
2020/21	36		2	6	9	19		5.6	16.7	25.0	52.8	
2021/22	41	1	1	1	2	36	2.4	2.4	2.4	4.9	87.8	
2022/23	42			1	17	24			2.4	40.5	57.1	

ST433: Grade summary – Count and Percentage distribution (%).

ST436: Financial Statistics



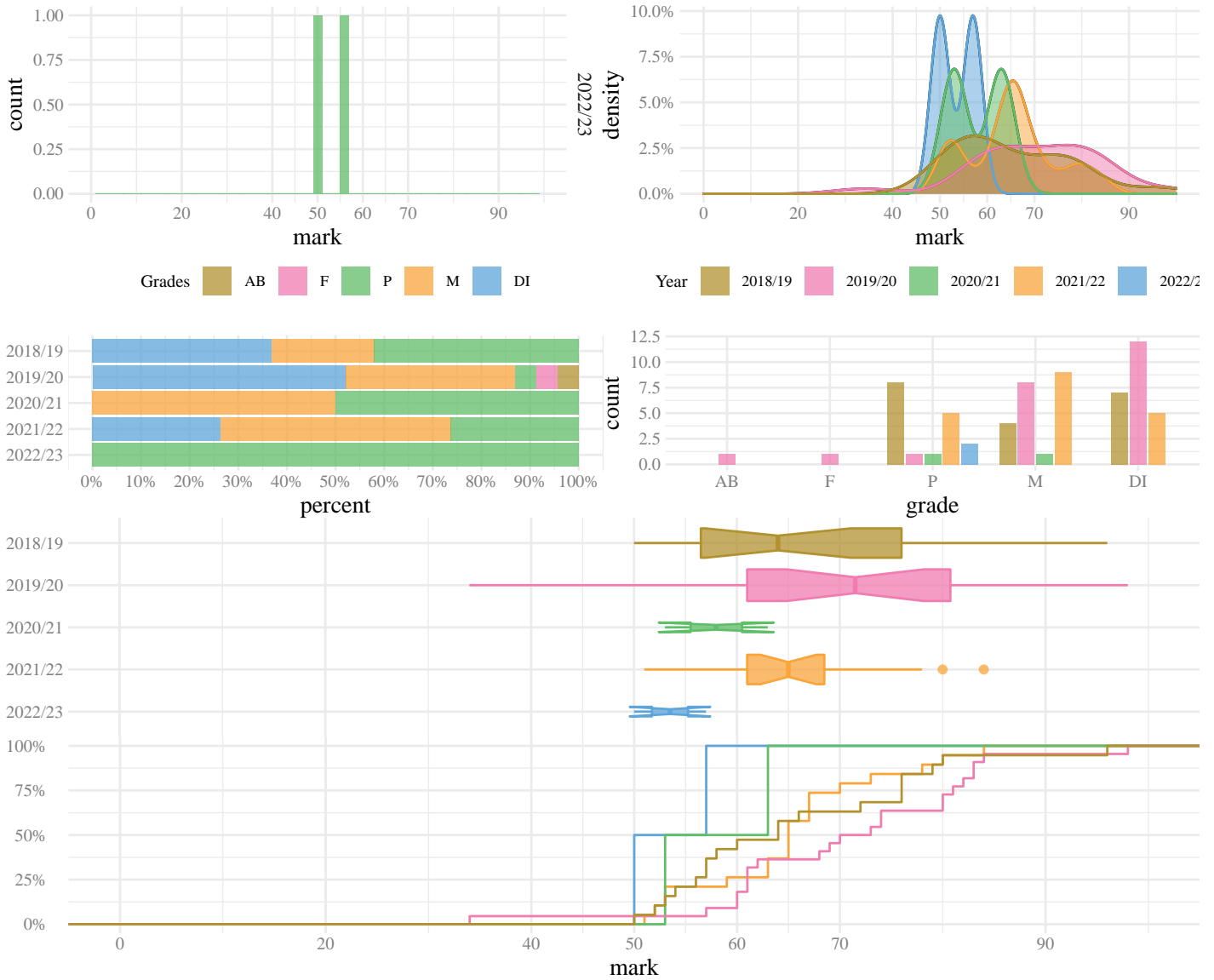
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	26	57.0	11.2	21	51.0	53.2	56.5	8.8	62.0	65.0	66.8	86
2019/20	28	59.9	9.4	30	50.0	55.8	60.0	11.2	67.0	70.9	73.0	75
2020/21	46	49.5	16.0	20	20.0	46.2	54.5	11.8	58.0	67.0	69.2	73
2021/22	42	62.5	13.8	20	52.1	55.2	60.0	16.2	71.5	80.0	83.9	91
2022/23	37	58.5	14.6	16	41.0	51.0	59.0	14.0	65.0	75.0	81.2	96

ST436: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	26		2	13	10	1		7.7	50.0	38.5	3.8	
2019/20	28		1	12	8	7		3.6	42.9	28.6	25.0	
2020/21	46		12	23	8	3		26.1	50.0	17.4	6.5	
2021/22	42		2	18	9	13		4.8	42.9	21.4	31.0	
2022/23	37		6	14	10	7		16.2	37.8	27.0	18.9	

ST436: Grade summary – Count and Percentage distribution (%).

ST442: Longitudinal Data Analysis



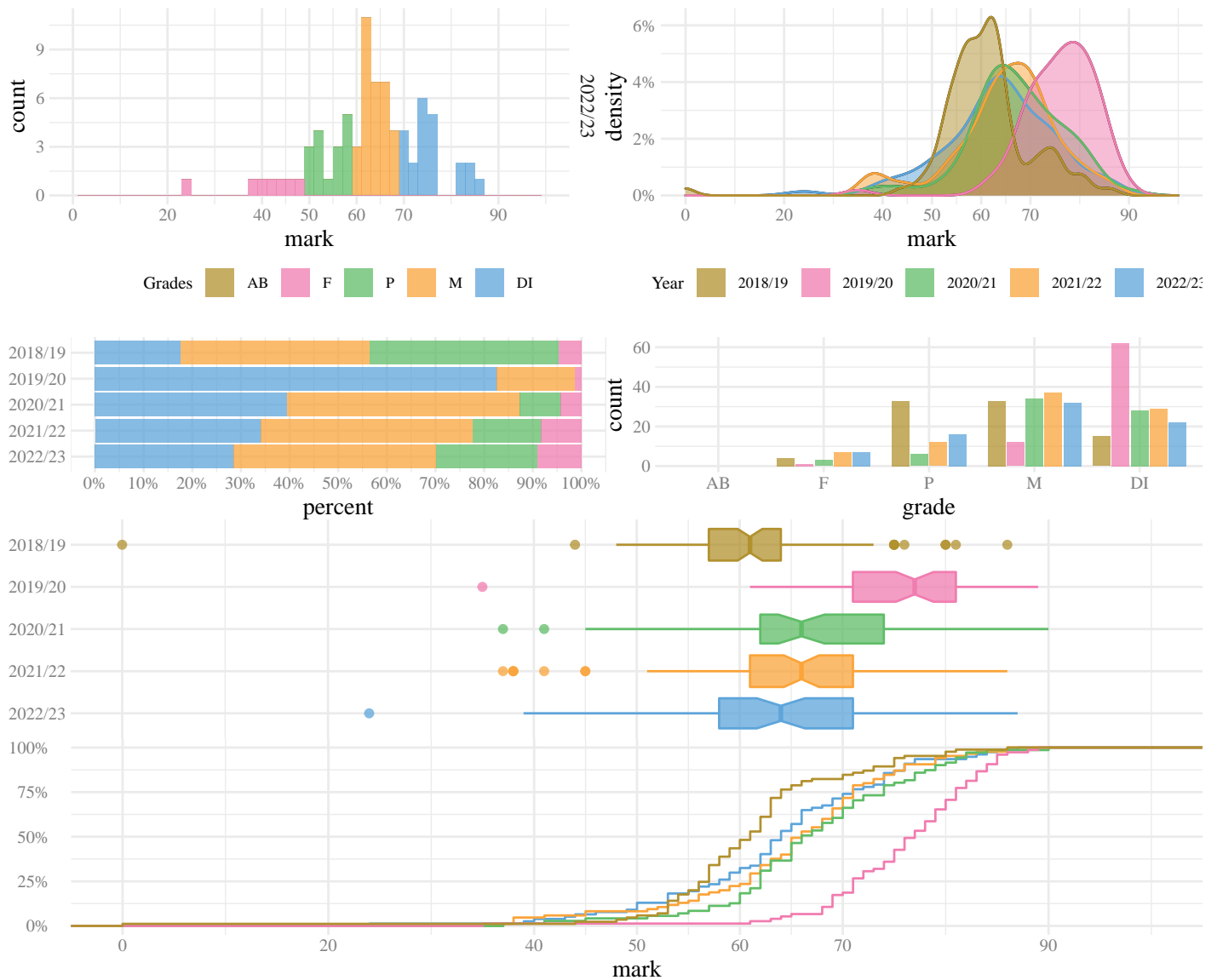
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	19	65.6	12.3	50	52.8	56.5	64.0	19.5	76.0	79.2	81.6	96
2019/20	22	70.7	13.4	34	60.0	61.0	71.5	19.8	80.8	83.0	84.0	98
2020/21	2	58.0	7.1	53	54.0	55.5	58.0	5.0	60.5	62.0	62.5	63
2021/22	19	65.3	9.3	51	52.8	61.0	65.0	7.5	68.5	78.4	80.4	84
2022/23	2	53.5	5.0	50	50.7	51.8	53.5	3.5	55.2	56.3	56.6	57

ST442: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	19			8	4	7				42.1	21.1	36.8
2019/20	23	1	1	1	8	12	4.3	4.3	4.3	34.8	52.2	
2020/21	2			1	1				50.0	50.0		
2021/22	19			5	9	5			26.3	47.4	26.3	
2022/23	2			2					100.0			

ST442: Grade summary – Count and Percentage distribution (%).

ST443: Machine Learning and Data Mining



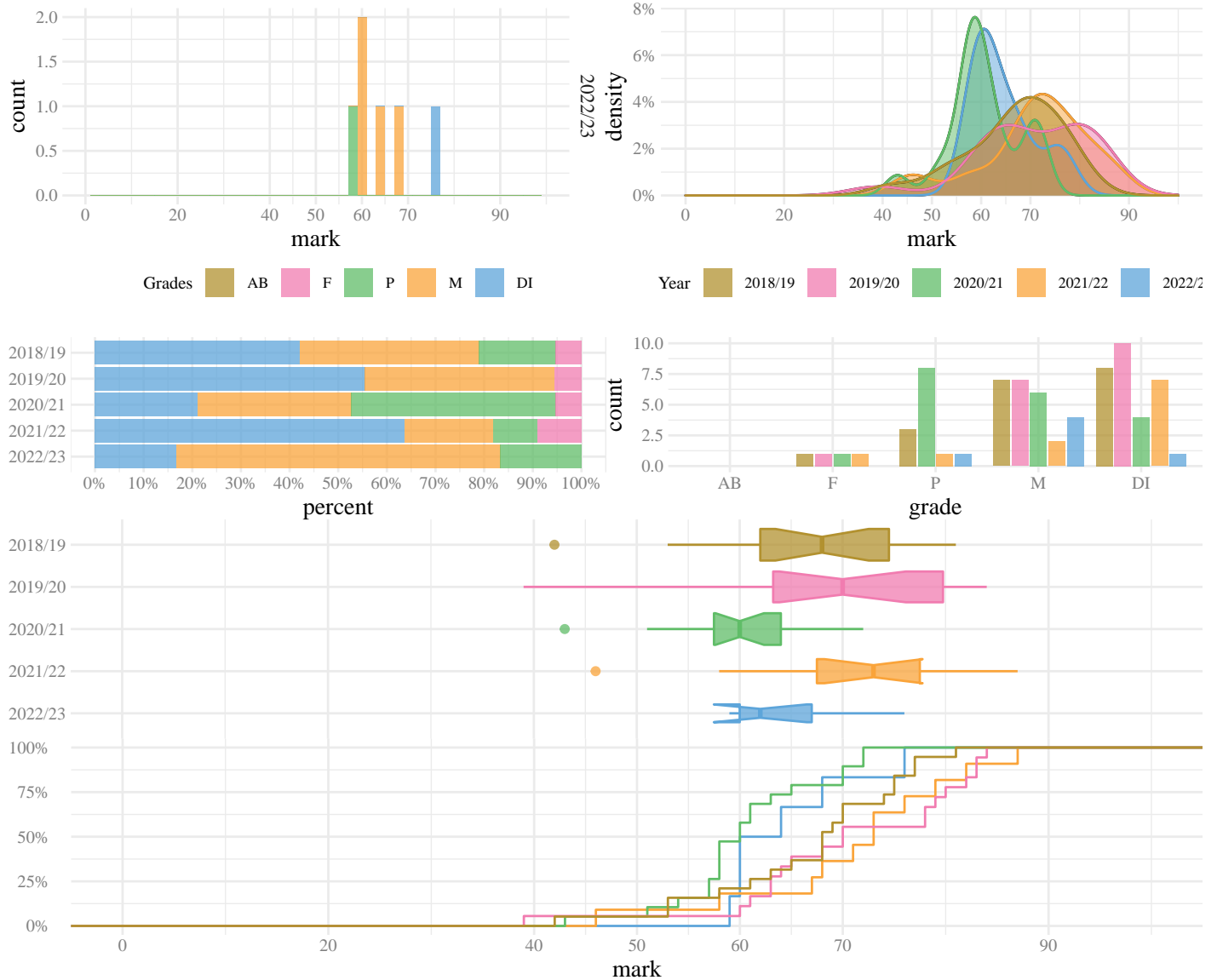
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	85	61.0	10.4	0	53.0	57.0	61	7.0	64.0	74.2	75.8	86
2019/20	75	75.9	7.8	35	68.4	71.0	77	10.0	81.0	84.0	85.0	89
2020/21	71	67.1	9.6	37	57.0	62.0	66	12.0	74.0	79.0	81.5	90
2021/22	85	65.0	10.5	37	52.4	61.0	66	10.0	71.0	76.0	79.8	86
2022/23	77	63.6	11.2	24	50.0	58.0	64	13.0	71.0	76.0	82.2	87

ST443: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	85		4	33	33	15		4.7	38.8	38.8	17.6	
2019/20	75		1		12	62		1.3		16.0	82.7	
2020/21	71		3	6	34	28		4.2	8.5	47.9	39.4	
2021/22	85		7	12	37	29		8.2	14.1	43.5	34.1	
2022/23	77		7	16	32	22		9.1	20.8	41.6	28.6	

ST443: Grade summary – Count and Percentage distribution (%).

ST444: Computational Data Science



Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	19	66.7	9.9	42	53.0	62.0	68.0	12.5	74.5	77.0	77.4	81
2019/20	18	70.6	11.6	39	60.7	63.2	70.0	16.5	79.8	83.0	83.2	84
2020/21	19	60.4	7.3	43	53.4	57.5	60.0	6.5	64.0	70.4	72.0	72
2021/22	11	70.9	11.4	46	58.0	67.5	73.0	10.0	77.5	82.0	84.5	87
2022/23	6	64.5	6.6	59	59.5	60.0	62.0	7.0	67.0	72.0	74.0	76

ST444: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	19		1	3	7	8		5.3	15.8	36.8	42.1	
2019/20	18		1		7	10		5.6		38.9	55.6	
2020/21	19		1	8	6	4		5.3	42.1	31.6	21.1	
2021/22	11		1	1	2	7		9.1	9.1	18.2	63.6	
2022/23	6			1	4	1			16.7	66.7	16.7	

ST444: Grade summary – Count and Percentage distribution (%).

ST445: Managing and Visualising Data



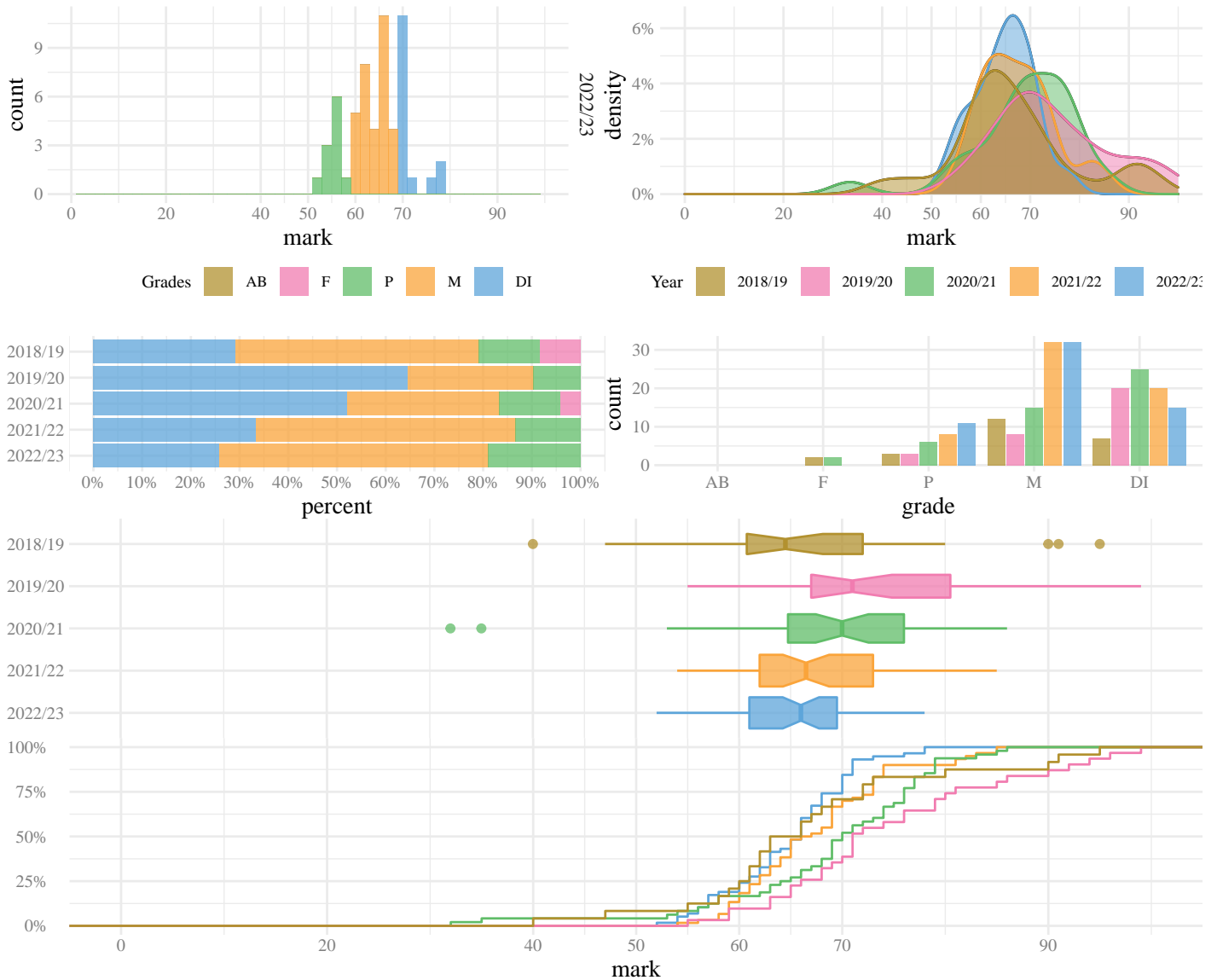
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	28	75.3	9.9	52	60.4	69.8	77.0	12.5	82.2	83.9	87.9	92
2019/20	37	90.5	3.9	76	87.0	89.0	91.0	4.0	93.0	94.4	95.0	97
2020/21	58	78.1	5.7	64	71.0	74.0	78.5	7.0	81.0	83.3	88.2	93
2021/22	88	75.4	8.3	45	64.7	71.0	75.5	9.0	80.0	85.3	87.6	94
2022/23	92	74.0	9.5	19	66.0	68.8	73.5	12.2	81.0	86.0	87.0	88

ST445: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	28			3	4	21				10.7	14.3	75.0
2019/20	37					37						100.0
2020/21	58				2	56					3.4	96.6
2021/22	88		1	1	16	70			1.1	1.1	18.2	79.5
2022/23	92		1		27	64			1.1		29.3	69.6

ST445: Grade summary – Count and Percentage distribution (%).

ST446: Distributed Computing for Big Data



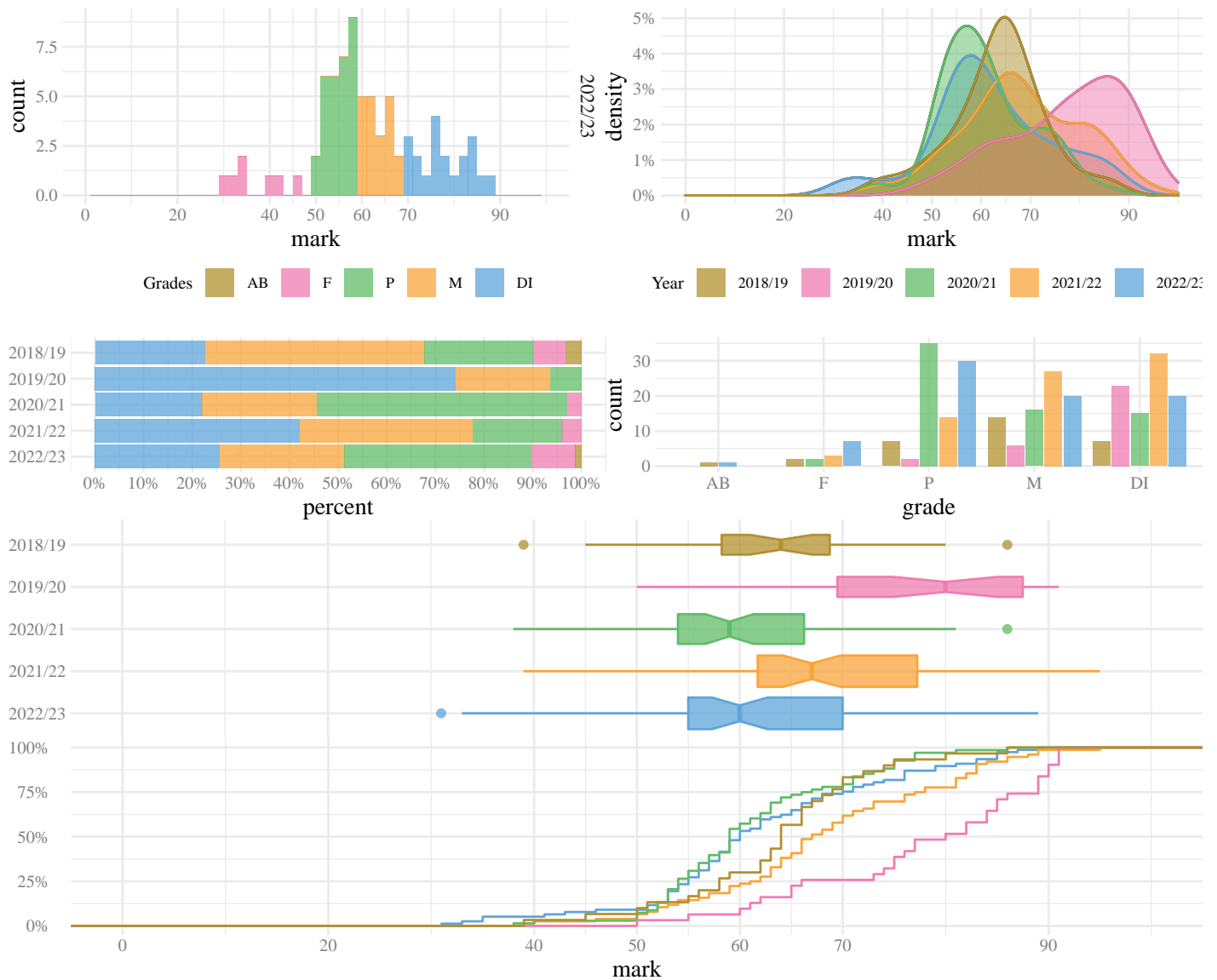
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	24	66.7	12.8	40	55.9	60.8	64.5	11.2	72.0	87.0	90.8	95
2019/20	31	74.6	11.4	55	63.0	67.0	71.0	13.5	80.5	92.0	95.0	99
2020/21	48	68.9	10.8	32	56.7	64.8	70.0	11.2	76.0	79.0	81.6	86
2021/22	60	67.5	7.3	54	59.0	62.0	66.5	11.0	73.0	74.7	82.0	85
2022/23	58	64.8	6.0	52	56.7	61.0	66.0	8.5	69.5	71.0	73.4	78

ST446: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	24		2	3	12	7		8.3	12.5	50.0	29.2	
2019/20	31			3	8	20			9.7	25.8	64.5	
2020/21	48		2	6	15	25		4.2	12.5	31.2	52.1	
2021/22	60			8	32	20			13.3	53.3	33.3	
2022/23	58			11	32	15			19.0	55.2	25.9	

ST446: Grade summary – Count and Percentage distribution (%).

ST447: Data Analysis and Statistical Methods



Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	30	63.5	9.8	39	50.9	58.2	64.0	10.5	68.8	74.1	77.7	86
2019/20	31	77.4	11.8	50	61.0	69.5	80.0	18.0	87.5	90.0	91.0	91
2020/21	68	61.0	9.3	38	52.0	54.0	59.0	12.2	66.2	75.0	77.0	86
2021/22	76	68.2	11.9	39	52.5	61.8	67.0	15.5	77.2	83.0	86.5	95
2022/23	77	62.1	12.6	31	51.0	55.0	60.0	15.0	70.0	79.8	85.0	89

ST447: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	31	1	2	7	14	7		3.2	6.5	22.6	45.2	22.6
2019/20	31			2	6	23				6.5	19.4	74.2
2020/21	68		2	35	16	15			2.9	51.5	23.5	22.1
2021/22	76		3	14	27	32			3.9	18.4	35.5	42.1
2022/23	78	1	7	30	20	20		1.3	9.0	38.5	25.6	25.6

ST447: Grade summary – Count and Percentage distribution (%).

ST449: Artificial Intelligence



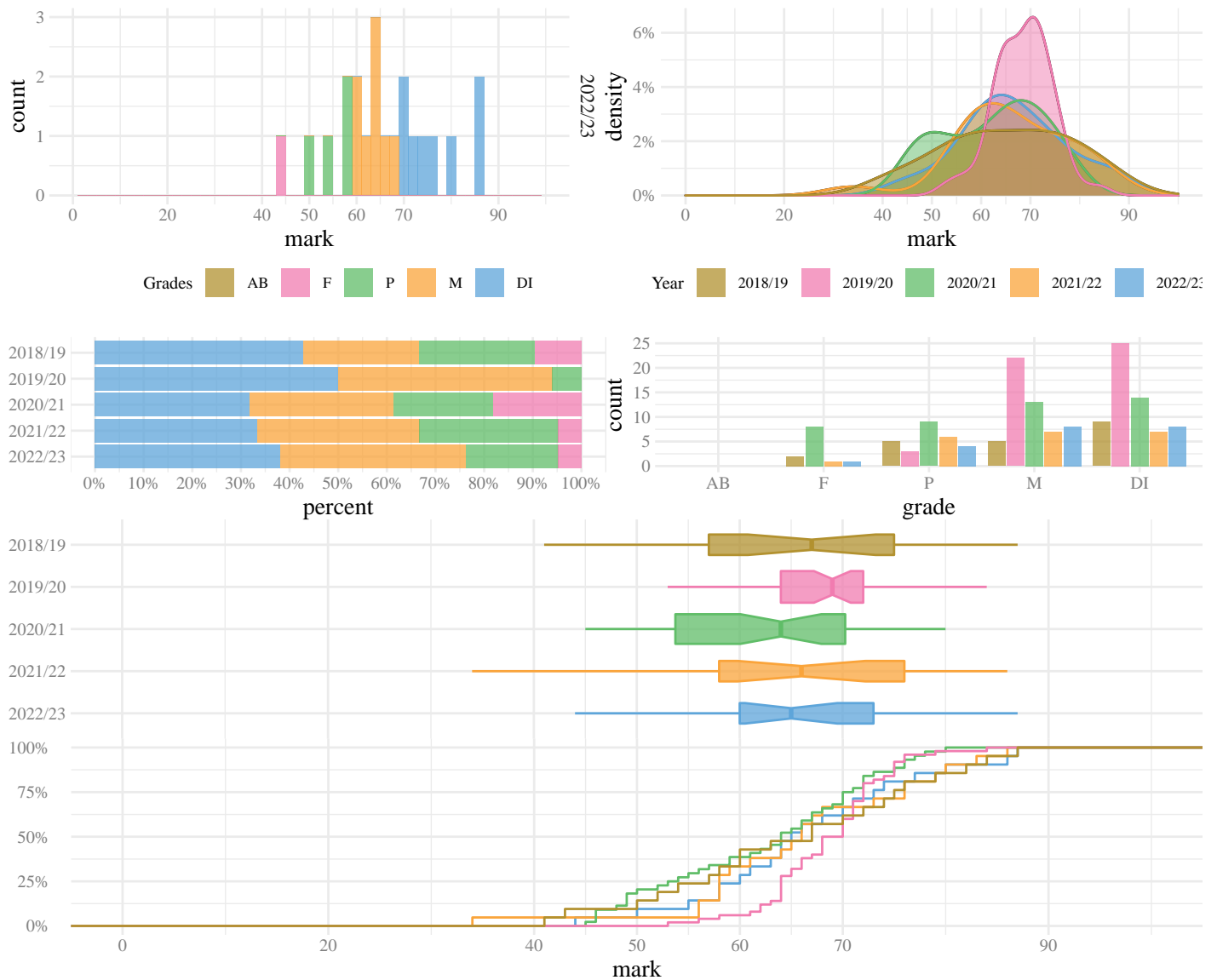
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	27	68.2	11.7	49	56.2	60.5	66.0	12.0	72.5	84.4	89.9	97
2019/20	31	72.3	6.0	61	65.0	67.5	72.0	10.5	78.0	80.0	80.0	82
2020/21	75	70.5	12.0	35	56.8	64.0	69.0	14.5	78.5	88.4	90.0	95
2021/22	29	71.0	8.8	58	61.8	66.0	69.0	8.0	74.0	81.4	91.6	92
2022/23	36	66.9	8.0	44	60.5	64.0	67.0	4.0	68.0	72.0	84.8	90

ST449: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	27		1	4	14	8		3.7	14.8	51.9	29.6	
2019/20	31				10	21				32.3	67.7	
2020/21	75		2	12	24	37		2.7	16.0	32.0	49.3	
2021/22	29			1	14	14			3.4	48.3	48.3	
2022/23	36		1	2	26	7		2.8	5.6	72.2	19.4	

ST449: Grade summary – Count and Percentage distribution (%).

ST451: Bayesian Machine Learning



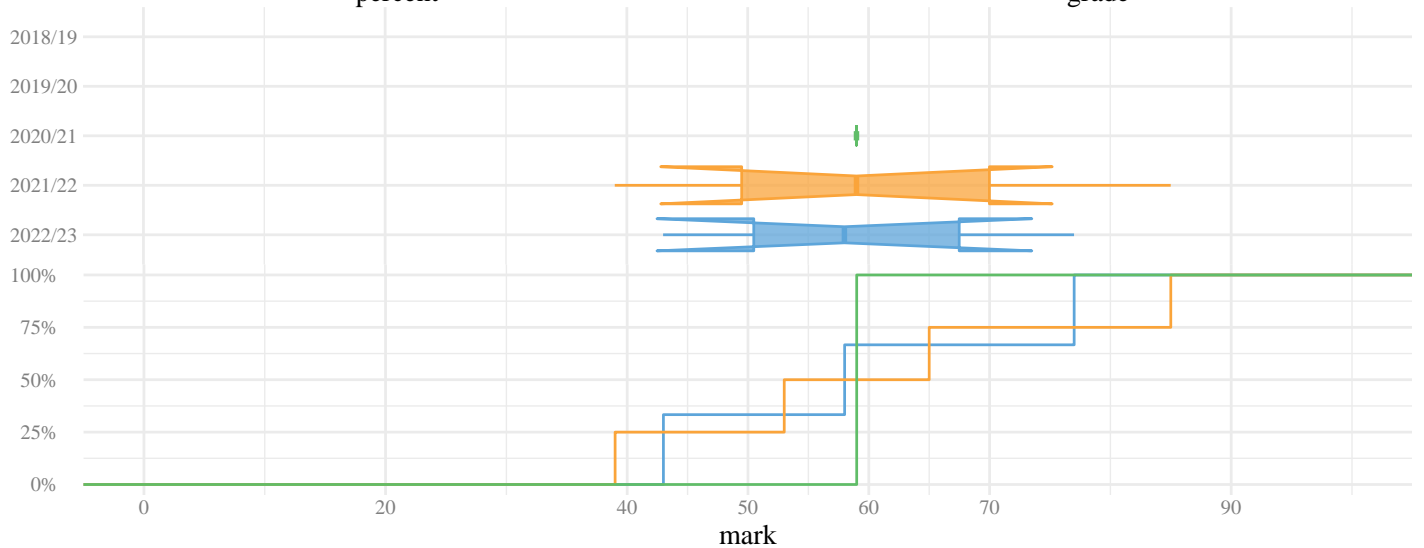
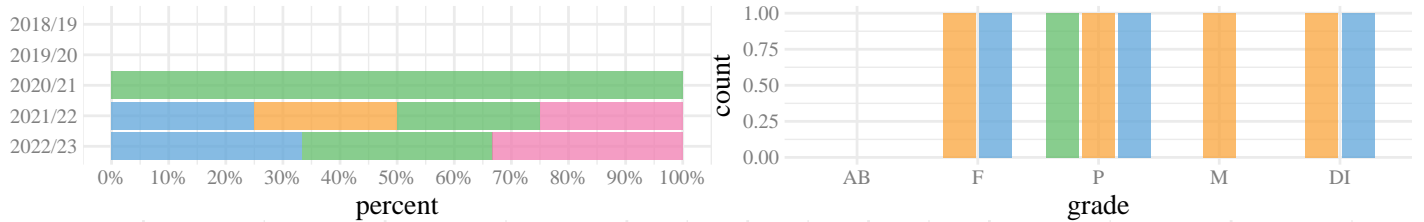
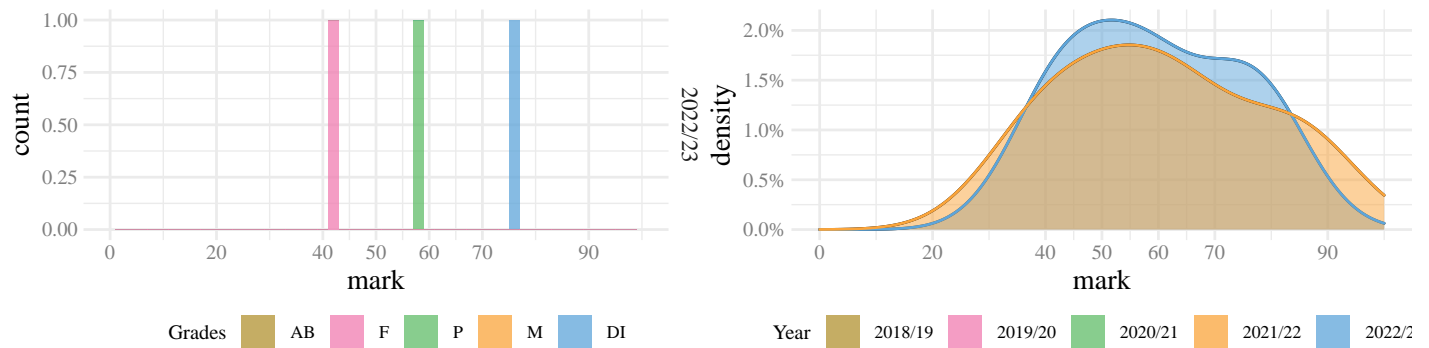
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	21	65.3	13.1	41	50.0	57.0	67.0	18.0	75.0	82.0	84.0	87
2019/20	50	68.5	5.8	53	62.0	64.0	69.0	8.0	72.0	75.0	76.0	84
2020/21	44	62.5	10.2	45	48.3	53.8	64.0	16.5	70.2	75.7	76.8	80
2021/22	21	66.1	11.8	34	56.0	58.0	66.0	18.0	76.0	80.0	83.0	86
2022/23	21	66.4	10.9	44	55.0	60.0	65.0	13.0	73.0	80.0	86.0	87

ST451: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	21		2	5	5	9			9.5	23.8	23.8	42.9
2019/20	50			3	22	25				6.0	44.0	50.0
2020/21	44		8	9	13	14			18.2	20.5	29.5	31.8
2021/22	21		1	6	7	7			4.8	28.6	33.3	33.3
2022/23	21		1	4	8	8			4.8	19.0	38.1	38.1

ST451: Grade summary – Count and Percentage distribution (%).

ST452: Probability and Mathematical Statistics I



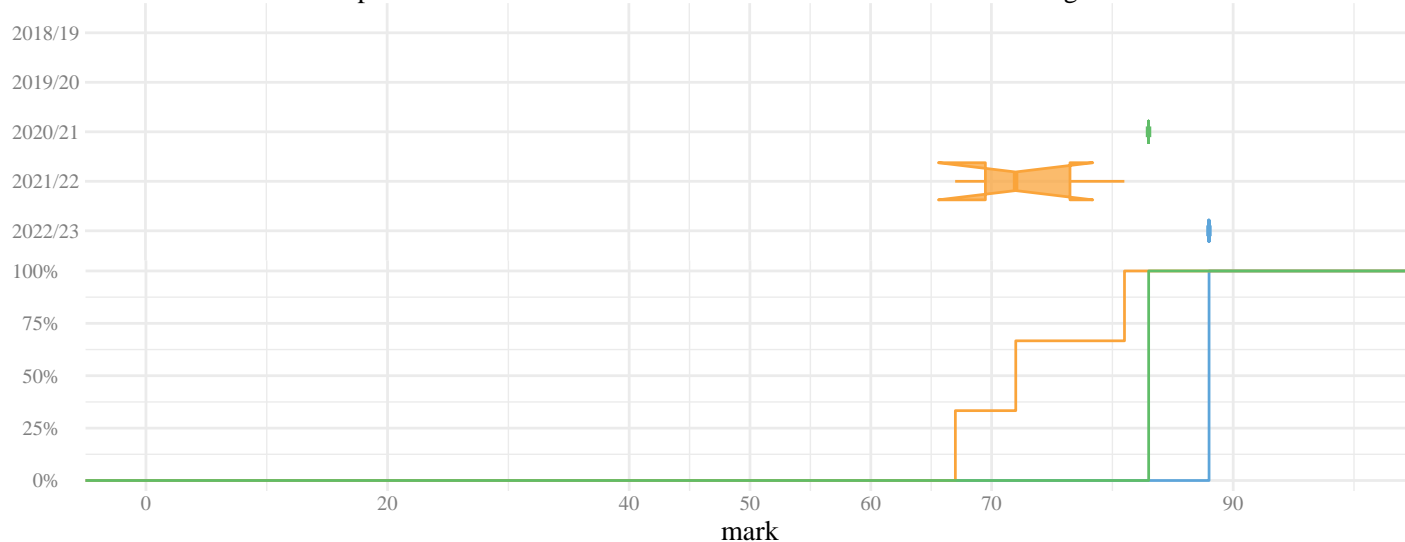
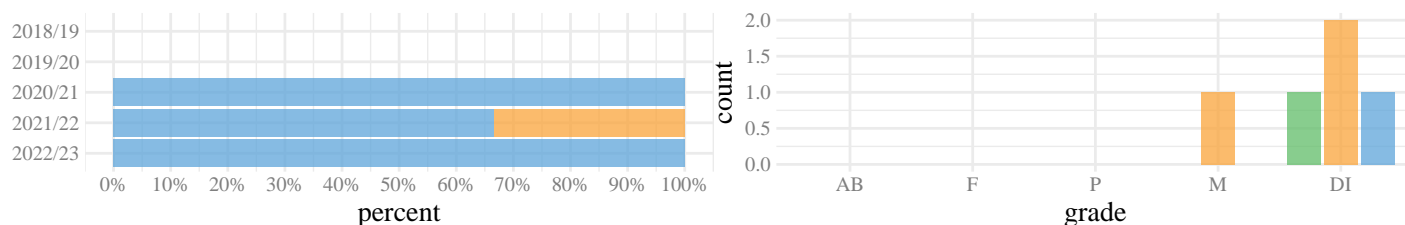
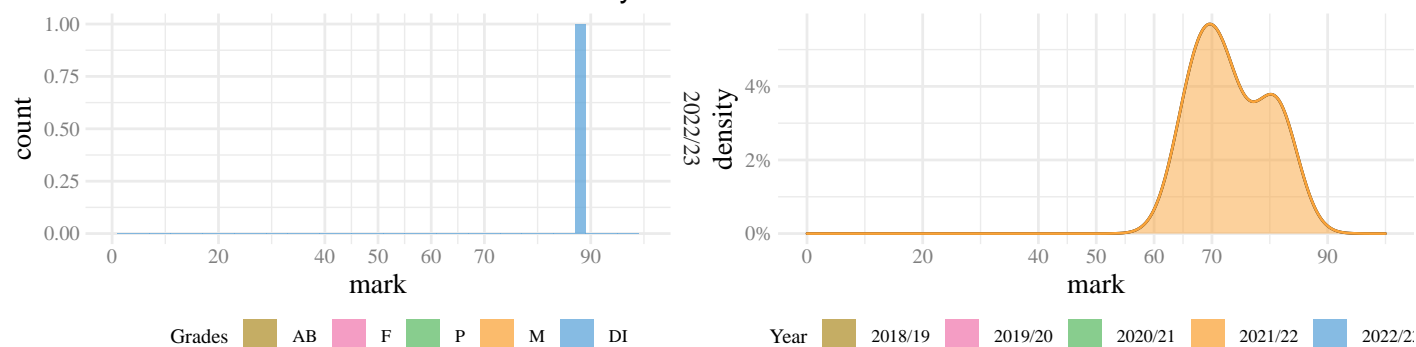
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	0											
2019/20	0											
2020/21	1	59.0		59	59.0	59.0	59.0	0.0	59.0	59.0	59.0	59
2021/22	4	60.5	19.5	39	43.2	49.5	59.0	20.5	70.0	79.0	82.0	85
2022/23	3	59.3	17.0	43	46.0	50.5	58.0	17.0	67.5	73.2	75.1	77

ST452: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	0											
2019/20	0											
2020/21	1			1						100.0		
2021/22	4		1	1	1	1		25.0	25.0	25.0	25.0	
2022/23	3		1	1		1		33.3	33.3		33.3	

ST452: Grade summary – Count and Percentage distribution (%).

ST453: Probability and Mathematical Statistics II



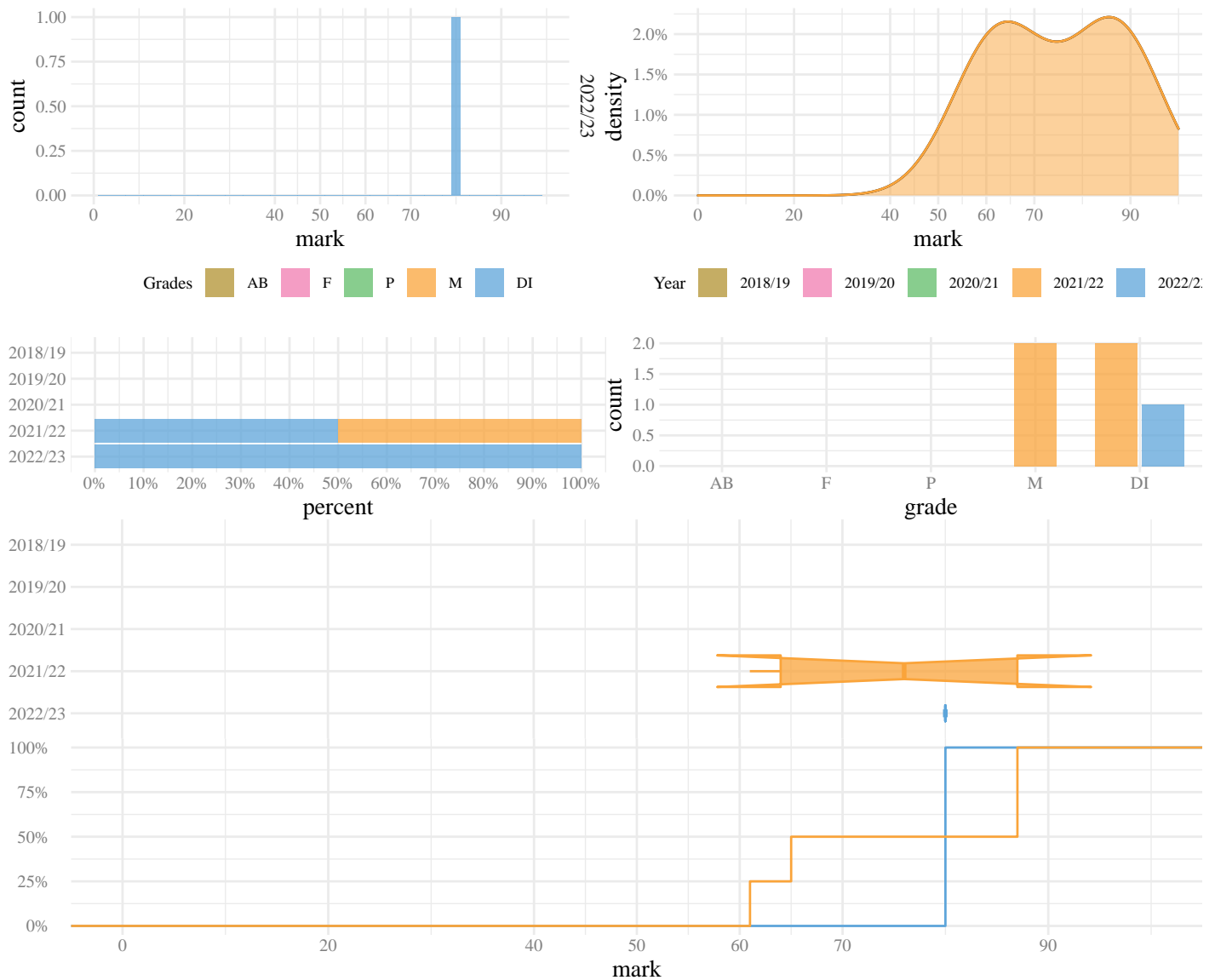
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	0											
2019/20	0											
2020/21	1	83.0		83	83.0	83.0	83	0.0	83.0	83.0	83.0	83
2021/22	3	73.3	7.1	67	68.0	69.5	72	7.0	76.5	79.2	80.1	81
2022/23	1	88.0		88	88.0	88.0	88	0.0	88.0	88.0	88.0	88

ST453: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	:%	AB	F	P	M	DI
2018/19	0											
2019/20	0											
2020/21	1					1					100.0	
2021/22	3				1	2				33.3	66.7	
2022/23	1					1					100.0	

ST453: Grade summary – Count and Percentage distribution (%).

ST454: Bayesian Data Analysis



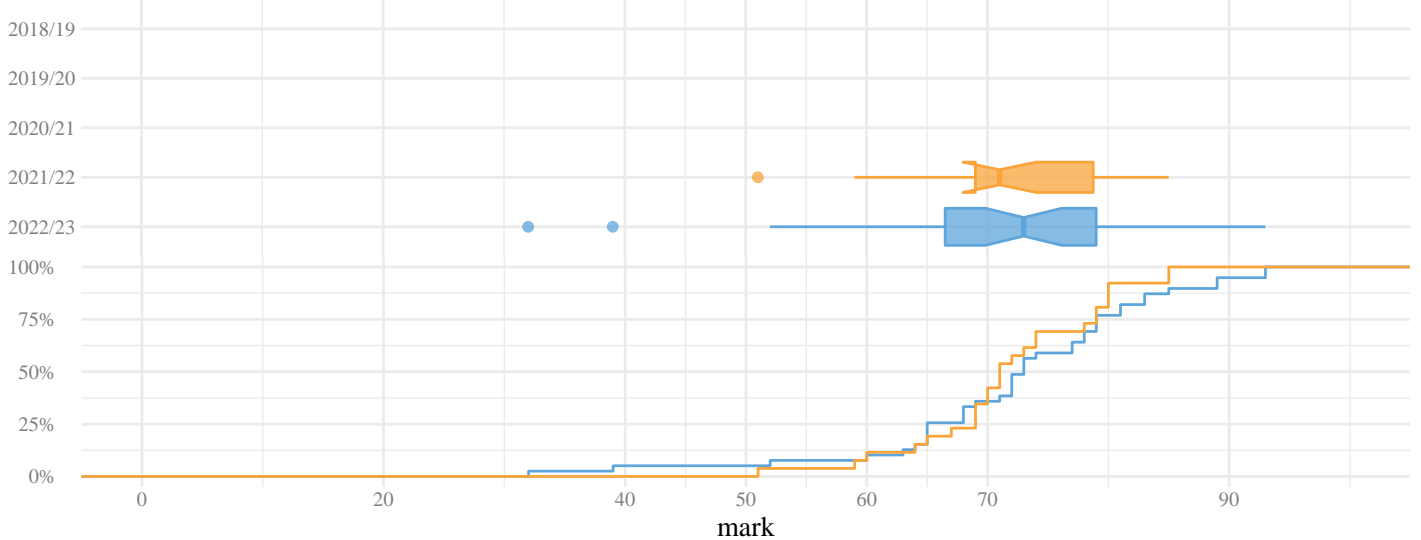
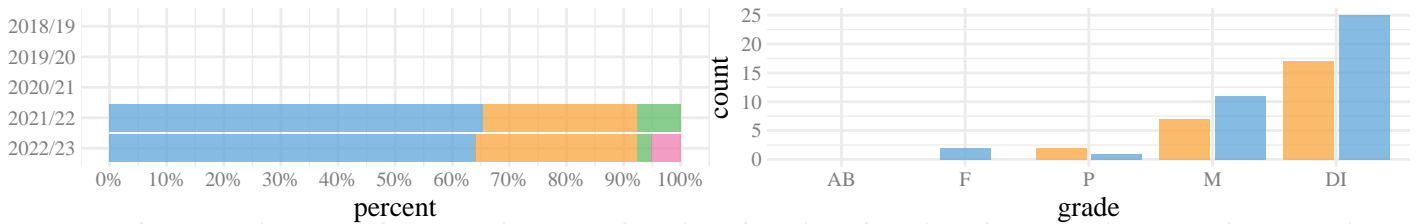
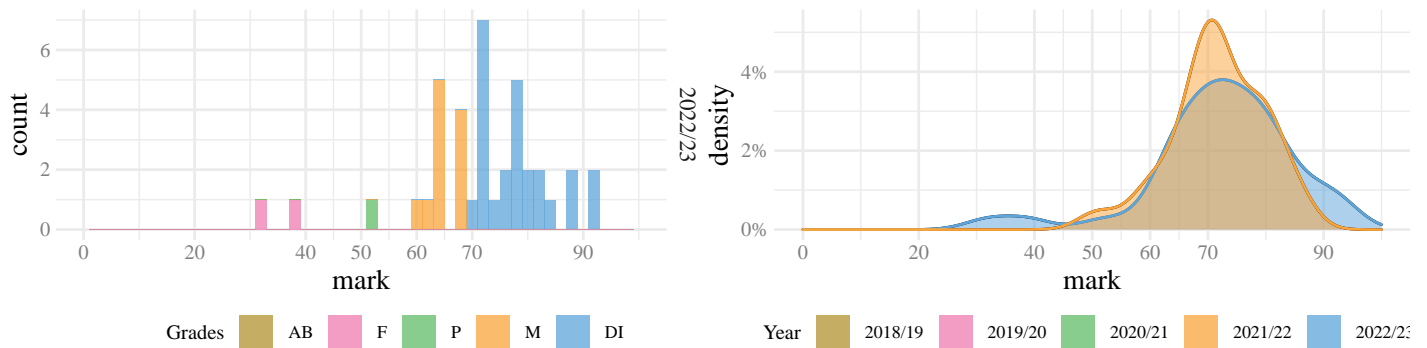
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	4	75.0	13.9	61	62.2	64.0	76.0	23.0	87.0	87.0	87.0	87
2022/23	1	80.0		80	80.0	80.0	80.0	0.0	80.0	80.0	80.0	80

ST454: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	4				2	2					50.0	50.0
2022/23	1					1						100.0

ST454: Grade summary – Count and Percentage distribution (%).

ST455: Reinforcement Learning



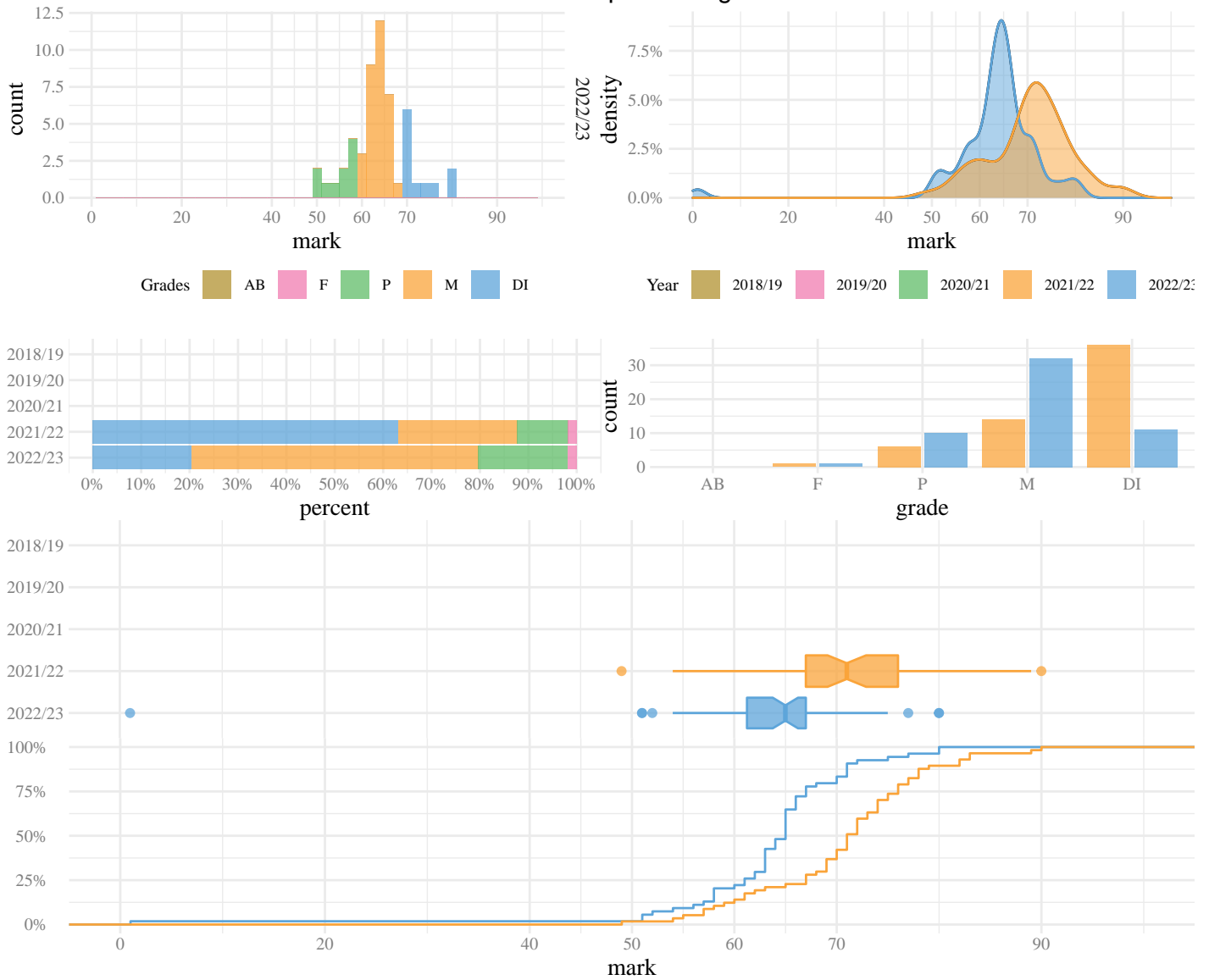
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	26	71.7	8.0	51	62.0	69.0	71.0	9.8	78.8	80.0	83.8	85
2022/23	39	72.3	12.5	32	62.4	66.5	73.0	12.5	79.0	85.8	89.4	93

ST455: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	26			2	7	17			7.7	26.9	65.4	
2022/23	39		2	1	11	25		5.1	2.6	28.2	64.1	

ST455: Grade summary – Count and Percentage distribution (%).

ST456: Deep Learning



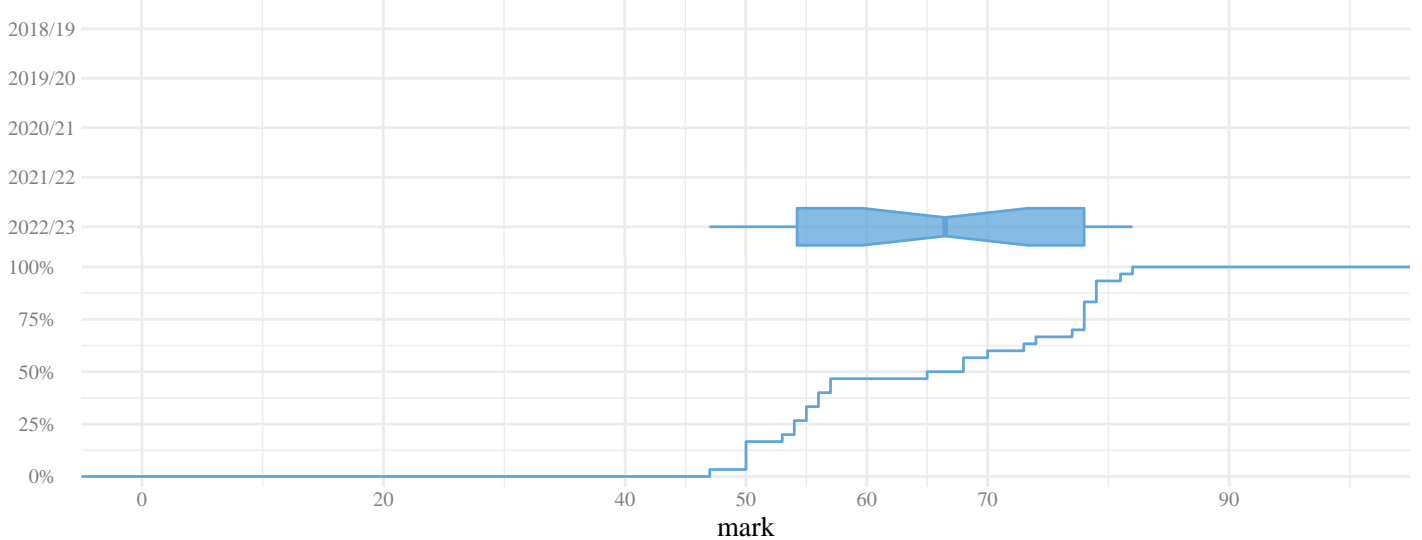
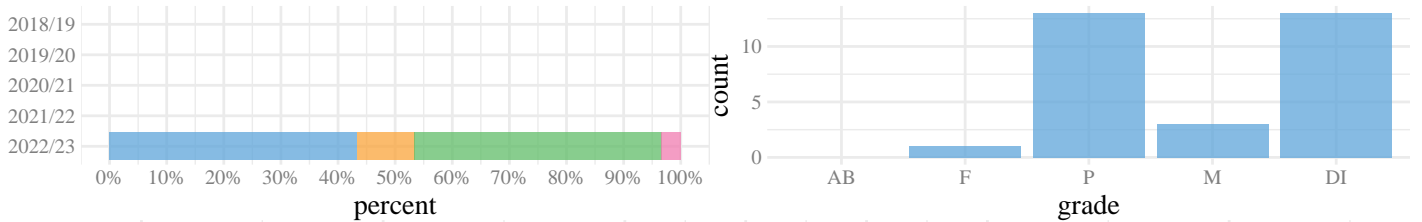
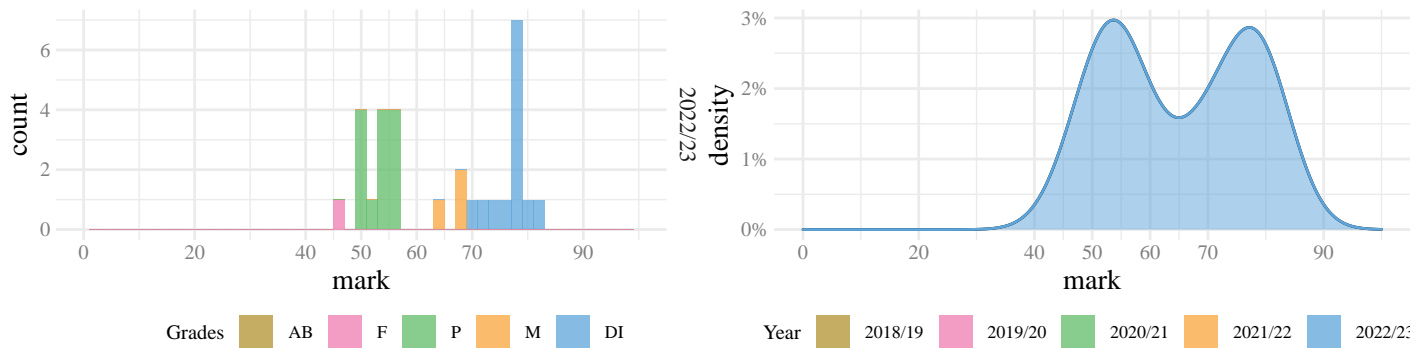
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	57	70.6	8.4	49	58.6	67.0	71.0	9.0	76.0	80.2	83.0	90
2022/23	54	63.3	10.7	1	56.3	61.2	65.0	5.8	67.0	71.0	75.7	80

ST456: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	57		1	6	14	36		1.8	10.5	24.6	63.2	
2022/23	54		1	10	32	11		1.9	18.5	59.3	20.4	

ST456: Grade summary – Count and Percentage distribution (%).

ST457: Graph Data Analytics and Representation Learning



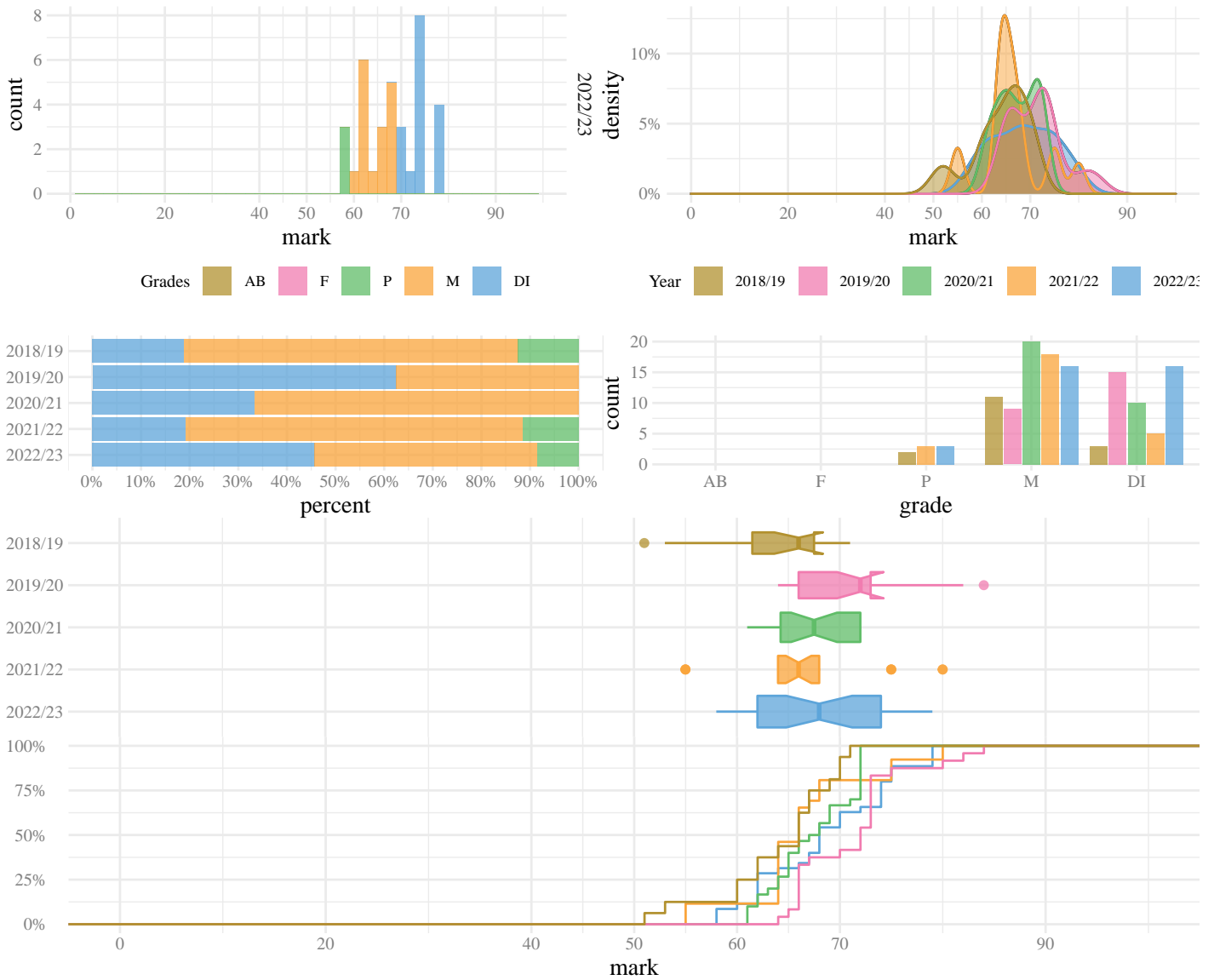
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	0											
2022/23	30	65.0	12.1	47	50.0	54.2	66.5	23.8	78.0	79.0	80.1	82

ST457: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	0											
2019/20	0											
2020/21	0											
2021/22	0											
2022/23	30		1	13	3	13		3.3	43.3	10.0	43.3	

ST457: Grade summary – Count and Percentage distribution (%).

ST498: Capstone Project



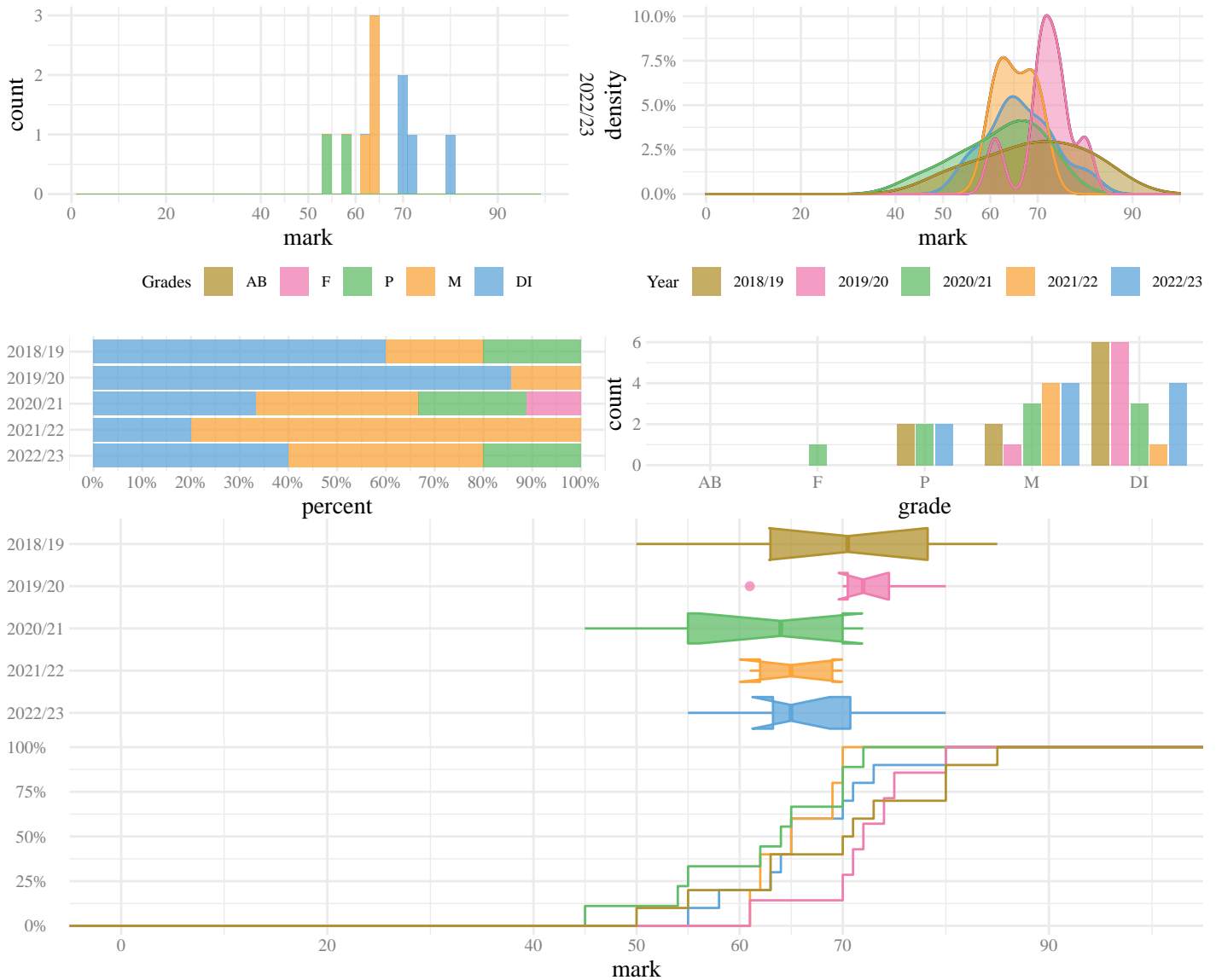
Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	16	64.0	5.8	51	56.5	61.5	66.0	6.0	67.5	70.0	70.2	71
2019/20	24	71.2	5.4	64	66.0	66.0	72.0	7.0	73.0	78.5	81.7	84
2020/21	30	67.3	4.0	61	61.9	64.2	67.5	7.8	72.0	72.0	72.0	72
2021/22	26	66.4	6.5	55	59.5	64.0	66.0	4.0	68.0	75.0	78.8	80
2022/23	35	68.7	6.5	58	60.8	62.0	68.0	12.0	74.0	77.4	79.0	79

ST498: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	%:	AB	F	P	M	DI
2018/19	16			2	11	3				12.5	68.8	18.8
2019/20	24				9	15					37.5	62.5
2020/21	30				20	10					66.7	33.3
2021/22	26		3	18	5				11.5	69.2	19.2	
2022/23	35		3	16	16				8.6	45.7	45.7	

ST498: Grade summary – Count and Percentage distribution (%).

ST499: Dissertation



Year	marks	mean	sd	min	q10	q25	median	IQR	q75	q90	q95	max
2018/19	10	69.0	11.3	50	54.5	63.0	70.5	15.2	78.2	80.5	82.8	85
2019/20	7	71.9	5.8	61	66.4	70.5	72.0	4.0	74.5	77.0	78.5	80
2020/21	9	61.9	9.0	45	52.2	55.0	64.0	15.0	70.0	70.4	71.2	72
2021/22	5	65.4	4.0	61	61.4	62.0	65.0	7.0	69.0	69.6	69.8	70
2022/23	10	66.4	7.3	55	57.7	63.2	65.0	7.5	70.8	73.7	76.8	80

ST499: Mark summary – Mean, Standard deviation and Quantiles.

Year	results	AB	F	P	M	DI	:%	AB	F	P	M	DI
2018/19	10			2	2	6				20.0	20.0	60.0
2019/20	7				1	6					14.3	85.7
2020/21	9		1	2	3	3		11.1	22.2	33.3	33.3	
2021/22	5				4	1					80.0	20.0
2022/23	10			2	4	4				20.0	40.0	40.0

ST499: Grade summary – Count and Percentage distribution (%).