
CETLens

Combined Data Analysis Report

MHT-CET Marks-Based Statistical Analysis

Report Generation Date: 01 June 2026

Dataset: Attempt 1 (April 2025) & Attempt 2 (May 2025)

Total Students Analyzed: 16,834

Total Shifts Analyzed: 27

Source: CETLens

<https://cet-lens.vercel.app>

Welcome to the comprehensive marks-based statistical analysis report for MHT-CET, powered by CETLens. This report encapsulates data across **27 unique shifts** and **16,834 student submissions** from Attempt 1 and Attempt 2. The analysis delves into shift-wise performance, difficulty rankings, score distributions, and comparative insights to provide a detailed overview of the examination landscape.

Analysis generated using data available through CETLens (<https://cet-lens.vercel.app>). This report is based solely on the CETLens dataset and does not represent official MHT-CET statistics.

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Executive Summary

This report presents a marks-based statistical analysis of MHT-CET data from CETLens, covering **27 shifts** and **16,834 student records** across two examination attempts. Each attempt is analyzed independently, followed by a cross-attempt comparison.

Metric	Attempt 1	Attempt 2
Total Students	8,284	8,550
Total Shifts	16	11
Highest Marks	186	185
Lowest Marks	27	24
Average Marks	88.42	87.3
Median Marks	81.0	81.0
Std Deviation	31.7	29.94

Key Observations:

- Attempt 1 average (88.42) is higher than Attempt 2 (87.3) by 1.12 marks.
- Attempt 1 has 16 shifts with 8,284 students; Attempt 2 has 11 shifts with 8,550 students.
- Score variability is higher in Attempt 1 ($\sigma=31.7$) than Attempt 2 ($\sigma=29.94$).
- 18.9% scored above 120 in Attempt 1 vs 17.2% in Attempt 2.

Attempt 1 Analysis

8,284 students across 16 shifts

1. Dataset Overview — Attempt 1

Metric	Value
Total Students	8,284
Highest Marks	186
Lowest Marks	27
Average Marks	88.42
Median Marks	81.0
Mode Marks	64
Standard Deviation	31.7
IQR	47.0
Q1 (25th pctl value)	63.0
Q3 (75th pctl value)	110.0
Skewness	0.668
Kurtosis	-0.368

2. Shift-Wise Analysis — Attempt 1

Shift	Students	Highest	Lowest	Average	Median	Std Dev	Range
11 April - Evening	645	176	37	82.86	74.0	29.82	139
11 April - Morning	714	185	33	93.02	88.0	33.09	152
13 April - Evening	675	185	29	89.16	83.0	30.46	156
13 April - Morning	648	182	39	89.17	82.0	30.7	143
15 April - Evening	656	178	35	93.16	86.0	33.12	143
15 April - Morning	717	184	34	88.0	81.0	29.94	150
16 April - Evening	582	186	27	90.08	83.5	30.63	159
16 April - Morning	519	175	36	84.88	77.0	31.0	139
17 April - Evening	475	175	35	88.87	84.0	31.89	140
17 April - Morning	608	168	38	89.42	83.0	30.51	130
18 April - Evening	409	176	35	85.39	75.0	33.05	141
18 April - Morning	444	186	32	85.85	76.5	33.49	154
19 April - Evening	350	161	29	85.58	81.0	28.95	132
19 April - Morning	374	180	32	89.97	84.0	33.77	148
20 April - Evening	224	176	36	89.29	82.0	33.83	140
20 April - Morning	244	179	31	84.89	73.0	34.79	148

Top 10 Marks per Shift

Shift	1	2	3	4	5	6	7	8	9	10
11 April - Evening	176	172	166	165	161	161	161	161	159	157
11 April - Morning	185	181	178	176	175	175	173	173	172	172
13 April - Evening	185	183	182	173	171	170	170	169	169	167
13 April - Morning	182	176	176	172	172	170	169	167	167	164
15 April - Evening	178	178	177	175	175	173	171	171	171	170
15 April - Morning	184	180	175	172	171	169	168	167	167	164
16 April - Evening	186	173	171	171	171	168	168	168	165	165
16 April - Morning	175	175	172	170	168	168	167	159	159	158
17 April - Evening	175	175	173	172	162	160	159	158	158	158
17 April - Morning	168	166	166	165	165	164	162	160	157	156
18 April - Evening	176	171	169	169	167	167	164	164	162	162
18 April - Morning	186	183	178	176	174	173	168	168	167	167
19 April - Evening	161	160	159	158	158	155	151	151	151	150
19 April - Morning	180	178	175	165	163	163	163	161	160	158
20 April - Evening	176	173	169	169	168	167	166	161	157	154
20 April - Morning	179	175	173	169	169	166	164	164	163	161

3. Difficulty Ranking — Attempt 1

Rankings below compare ONLY the 16 shifts within Attempt 1. No shifts from the other attempt are included.

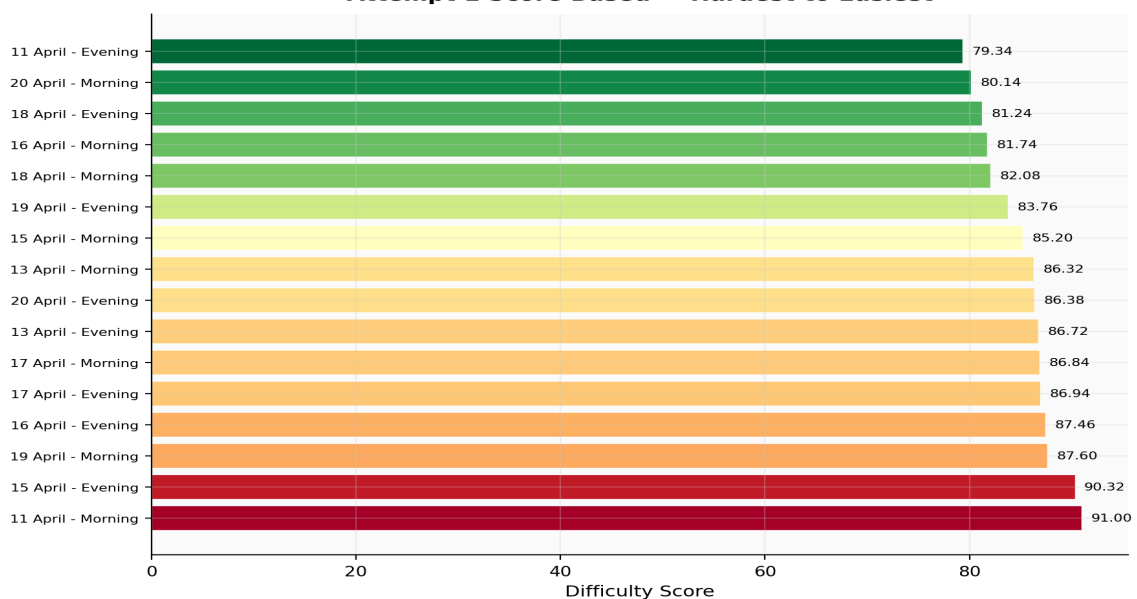
Score Based Ranking

Methodology: $\text{Score} = \text{Average} \times 0.6 + \text{Median} \times 0.4$. Lower score = harder shift.

Hardest → Easiest

Rank	Shift	Avg	Median	Score
1	11 April - Evening	82.86	74.0	79.34
2	20 April - Morning	84.89	73.0	80.14
3	18 April - Evening	85.39	75.0	81.24
4	16 April - Morning	84.88	77.0	81.74
5	18 April - Morning	85.85	76.5	82.08
6	19 April - Evening	85.58	81.0	83.76
7	15 April - Morning	88.0	81.0	85.2
8	13 April - Morning	89.17	82.0	86.32
9	20 April - Evening	89.29	82.0	86.38
10	13 April - Evening	89.16	83.0	86.72
11	17 April - Morning	89.42	83.0	86.84
12	17 April - Evening	88.87	84.0	86.94
13	16 April - Evening	90.08	83.5	87.46
14	19 April - Morning	89.97	84.0	87.6
15	15 April - Evening	93.16	86.0	90.32
16	11 April - Morning	93.02	88.0	91.0

Attempt 1 Score Based — Hardest to Easiest



*Difficulty Score Based — Attempt 1***Easiest → Hardest**

Rank	Shift	Avg	Median	Score
1	11 April - Morning	93.02	88.0	91.0
2	15 April - Evening	93.16	86.0	90.32
3	19 April - Morning	89.97	84.0	87.6
4	16 April - Evening	90.08	83.5	87.46
5	17 April - Evening	88.87	84.0	86.94
6	17 April - Morning	89.42	83.0	86.84
7	13 April - Evening	89.16	83.0	86.72
8	20 April - Evening	89.29	82.0	86.38
9	13 April - Morning	89.17	82.0	86.32
10	15 April - Morning	88.0	81.0	85.2
11	19 April - Evening	85.58	81.0	83.76
12	18 April - Morning	85.85	76.5	82.08
13	16 April - Morning	84.88	77.0	81.74
14	18 April - Evening	85.39	75.0	81.24
15	20 April - Morning	84.89	73.0	80.14
16	11 April - Evening	82.86	74.0	79.34

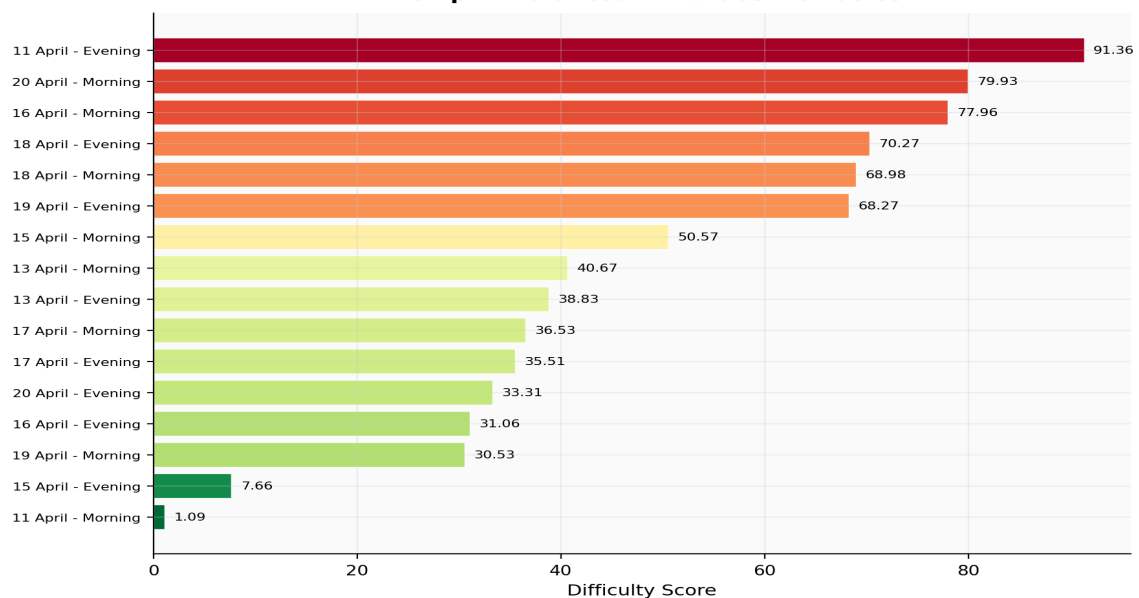
Balanced Ranking

Methodology: Normalized calculation based on Average (25%), Median (25%), % above 120 (30%), and % below 80 (20%). Higher score = harder shift.

Hardest → Easiest

Rank	Shift	Avg	Median	Students	% >120	% <80	Score
1	11 April - Evening	82.86	74.0	645	15.7%	56.7%	91.36
2	20 April - Morning	84.89	73.0	244	18.0%	55.7%	79.93
3	16 April - Morning	84.88	77.0	519	15.4%	53.2%	77.96
4	18 April - Evening	85.39	75.0	409	19.1%	54.3%	70.27
5	18 April - Morning	85.85	76.5	444	18.0%	53.4%	68.98
6	19 April - Evening	85.58	81.0	350	13.4%	47.4%	68.27
7	15 April - Morning	88.0	81.0	717	17.4%	47.6%	50.57
8	13 April - Morning	89.17	82.0	648	18.4%	45.8%	40.67
9	13 April - Evening	89.16	83.0	675	18.5%	45.9%	38.83
10	17 April - Morning	89.42	83.0	608	19.1%	45.9%	36.53
11	17 April - Evening	88.87	84.0	475	20.0%	47.6%	35.51
12	20 April - Evening	89.29	82.0	224	21.0%	46.4%	33.31
13	16 April - Evening	90.08	83.5	582	19.1%	43.6%	31.06
14	19 April - Morning	89.97	84.0	374	20.3%	46.5%	30.53
15	15 April - Evening	93.16	86.0	656	23.3%	44.4%	7.66
16	11 April - Morning	93.02	88.0	714	23.1%	41.0%	1.09

Attempt 1 Balanced — Hardest to Easiest



Difficulty Balanced — Attempt 1

Easiest → Hardest

Rank	Shift	Avg	Median	Students	% >120	% <80	Score
1	11 April - Morning	93.02	88.0	714	23.1%	41.0%	1.09
2	15 April - Evening	93.16	86.0	656	23.3%	44.4%	7.66
3	19 April - Morning	89.97	84.0	374	20.3%	46.5%	30.53
4	16 April - Evening	90.08	83.5	582	19.1%	43.6%	31.06
5	20 April - Evening	89.29	82.0	224	21.0%	46.4%	33.31
6	17 April - Evening	88.87	84.0	475	20.0%	47.6%	35.51
7	17 April - Morning	89.42	83.0	608	19.1%	45.9%	36.53
8	13 April - Evening	89.16	83.0	675	18.5%	45.9%	38.83
9	13 April - Morning	89.17	82.0	648	18.4%	45.8%	40.67
10	15 April - Morning	88.0	81.0	717	17.4%	47.6%	50.57
11	19 April - Evening	85.58	81.0	350	13.4%	47.4%	68.27
12	18 April - Morning	85.85	76.5	444	18.0%	53.4%	68.98
13	18 April - Evening	85.39	75.0	409	19.1%	54.3%	70.27
14	16 April - Morning	84.88	77.0	519	15.4%	53.2%	77.96
15	20 April - Morning	84.89	73.0	244	18.0%	55.7%	79.93
16	11 April - Evening	82.86	74.0	645	15.7%	56.7%	91.36

Score Based vs Balanced Ranking Comparison

Shift	Score Based Rank	Balanced Rank	Change
20 April - Evening	9	12	↓3
18 April - Evening	3	4	↓1
16 April - Morning	4	3	↑1
13 April - Evening	10	9	↑1
17 April - Morning	11	10	↑1
17 April - Evening	12	11	↑1
11 April - Evening	1	1	—
20 April - Morning	2	2	—
18 April - Morning	5	5	—
19 April - Evening	6	6	—
15 April - Morning	7	7	—
13 April - Morning	8	8	—
16 April - Evening	13	13	—
19 April - Morning	14	14	—
15 April - Evening	15	15	—
11 April - Morning	16	16	—

Consistently Difficult (Top 3 in both):

- 20 April - Morning
- 11 April - Evening

Consistently Easy (Bottom 3 in both):

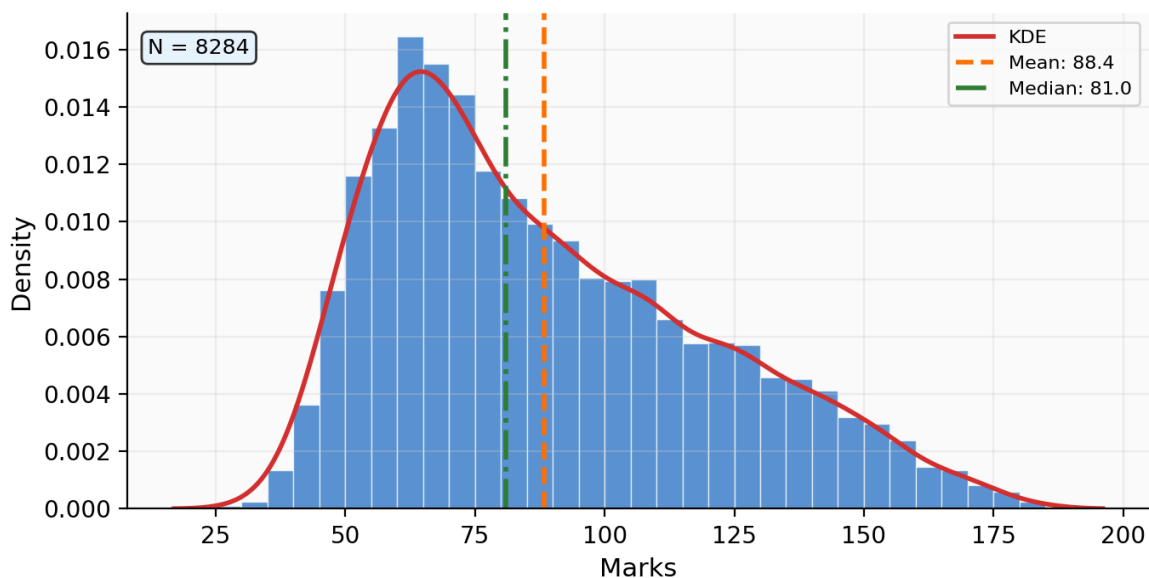
- 15 April - Evening
- 11 April - Morning
- 19 April - Morning

4. High & Low Score Analysis — Attempt 1

Shift	>120	>140	>160	>180	<80	<60	<40
11 April - Evening	15.7%	5.3%	1.2%	0.0%	56.7%	23.6%	0.6%
11 April - Morning	23.1%	10.9%	4.1%	0.3%	41.0%	16.2%	0.1%
13 April - Evening	18.5%	8.3%	1.8%	0.4%	45.9%	15.6%	0.7%
13 April - Morning	18.4%	9.3%	2.2%	0.1%	45.8%	16.1%	0.1%
15 April - Evening	23.3%	12.5%	3.2%	0.0%	44.4%	12.5%	0.8%
15 April - Morning	17.4%	7.1%	1.8%	0.3%	47.6%	16.7%	0.6%
16 April - Evening	19.1%	8.1%	2.2%	0.2%	43.6%	13.9%	0.9%
16 April - Morning	15.4%	7.3%	1.4%	0.0%	53.2%	22.7%	1.5%
17 April - Evening	20.0%	8.2%	1.3%	0.0%	47.6%	20.8%	0.6%
17 April - Morning	19.1%	7.4%	1.3%	0.0%	45.9%	18.9%	0.2%
18 April - Evening	19.1%	8.3%	2.4%	0.0%	54.3%	26.4%	1.5%
18 April - Morning	18.0%	8.6%	3.6%	0.5%	53.4%	24.1%	1.4%
19 April - Evening	13.4%	5.4%	0.6%	0.0%	47.4%	19.7%	1.1%
19 April - Morning	20.3%	11.2%	2.4%	0.3%	46.5%	21.9%	1.9%
20 April - Evening	21.0%	9.4%	3.6%	0.0%	46.4%	21.9%	0.9%
20 April - Morning	18.0%	10.2%	4.1%	0.0%	55.7%	23.4%	2.9%
OVERALL	18.9%	8.6%	2.2%	0.1%	48.0%	18.9%	0.8%

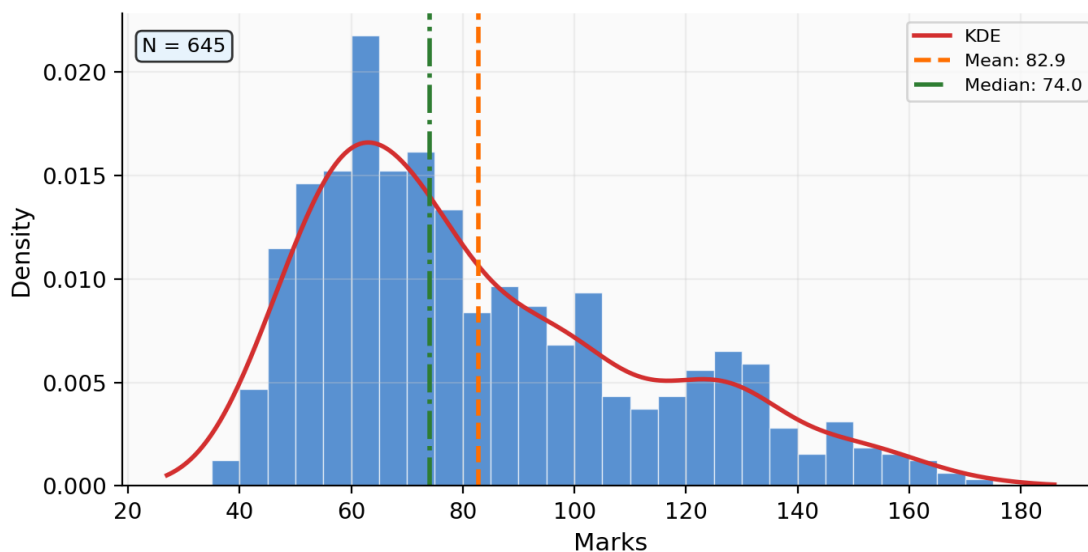
5. Marks Distribution — Attempt 1

Attempt 1 — Combined Distribution

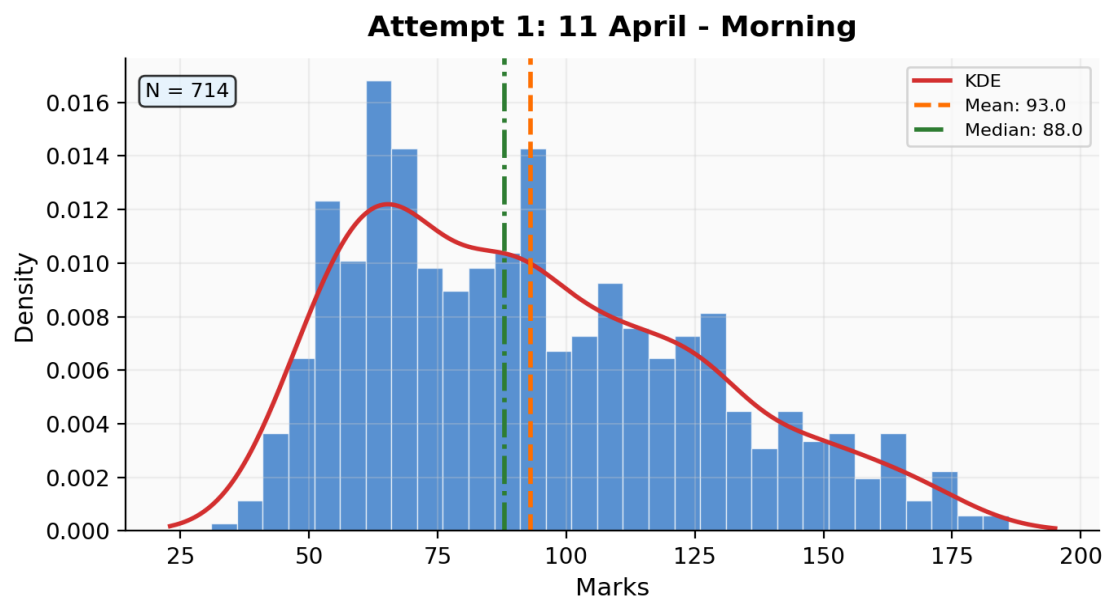


Combined: Mean=88.42, Median=81.0, N=8284

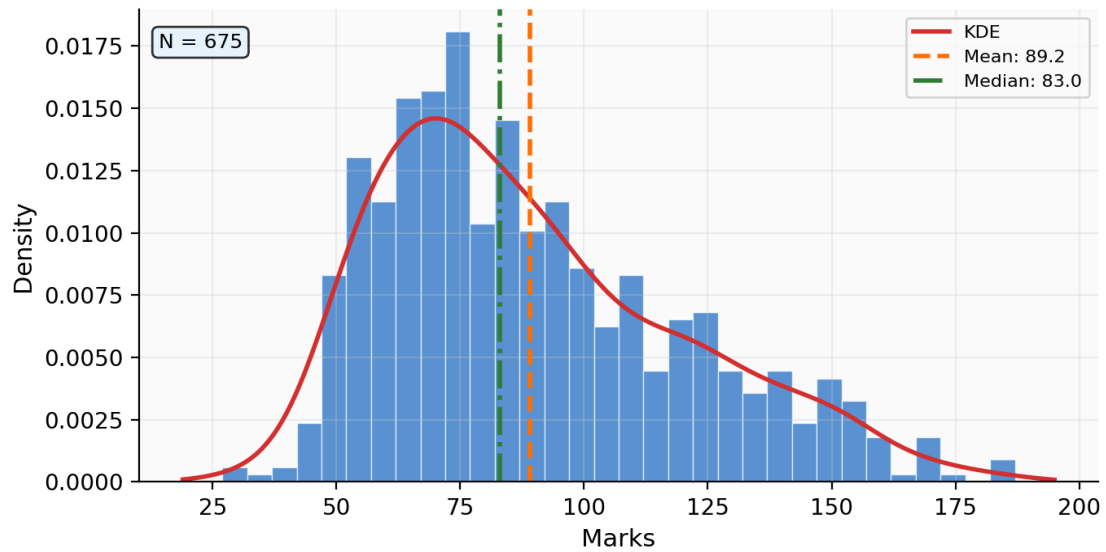
Attempt 1: 11 April - Evening



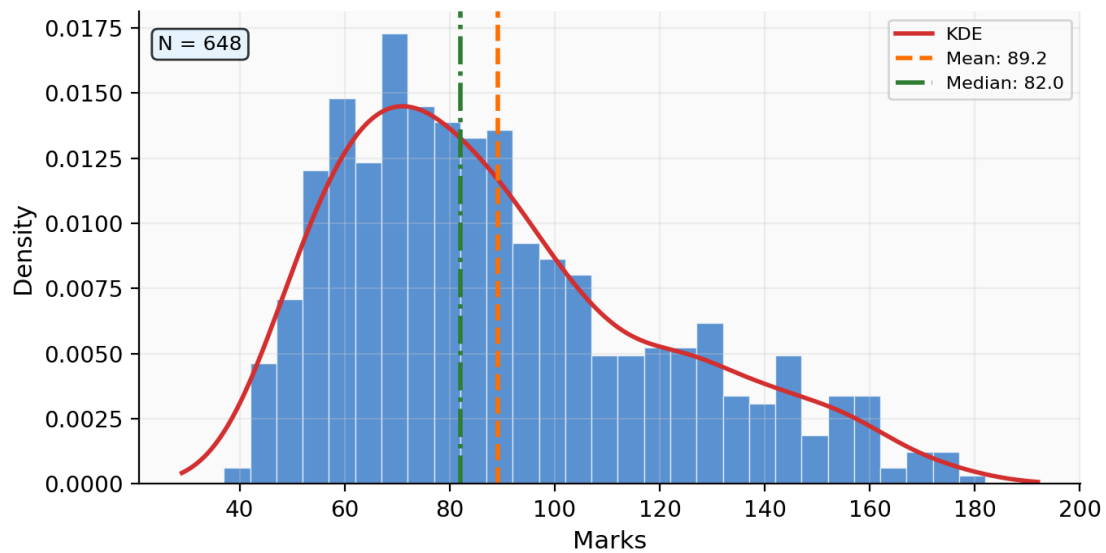
11 April - Evening: Mean=82.86, Median=74.0, Skew=0.834, N=645



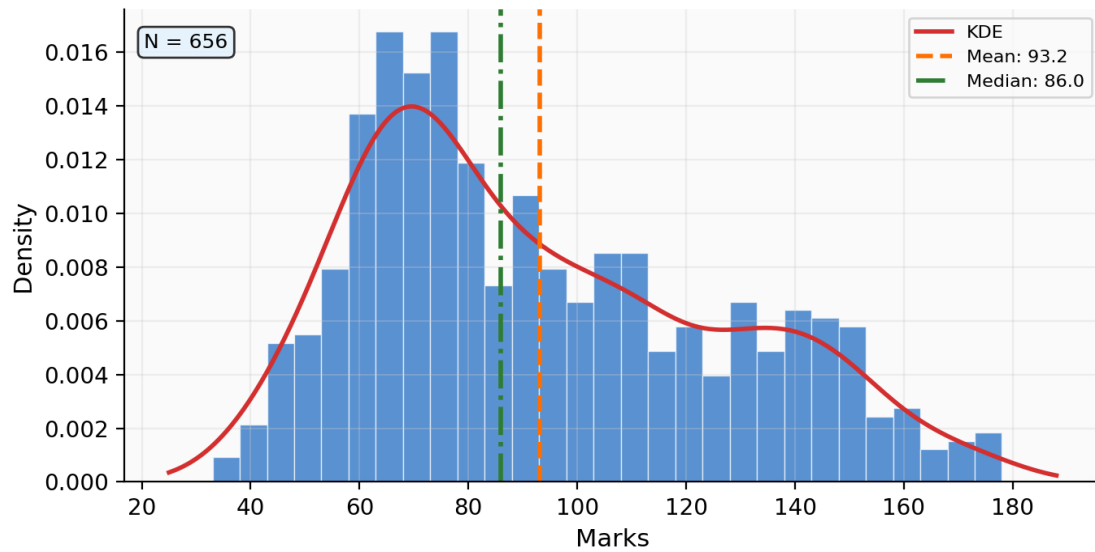
11 April - Morning: Mean=93.02, Median=88.0, Skew=0.556, N=714

Attempt 1: 13 April - Evening

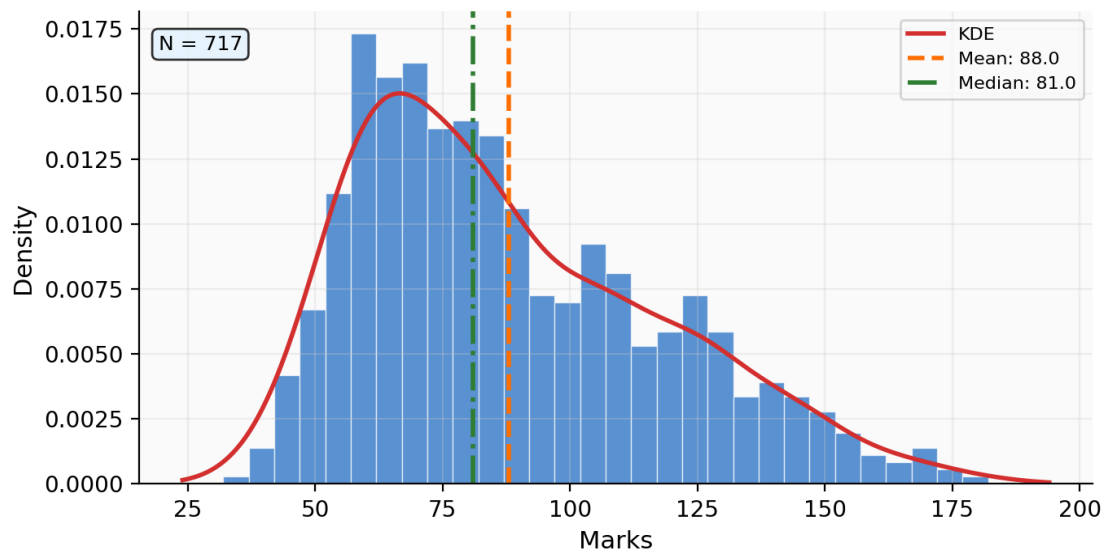
13 April - Evening: Mean=89.16, Median=83.0, Skew=0.737, N=675

Attempt 1: 13 April - Morning

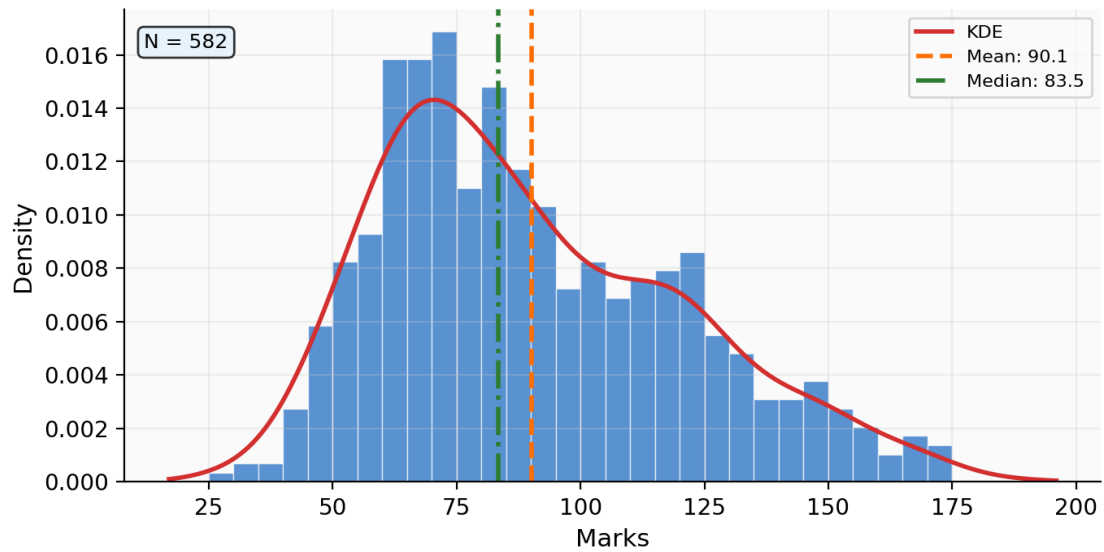
13 April - Morning: Mean=89.17, Median=82.0, Skew=0.769, N=648

Attempt 1: 15 April - Evening

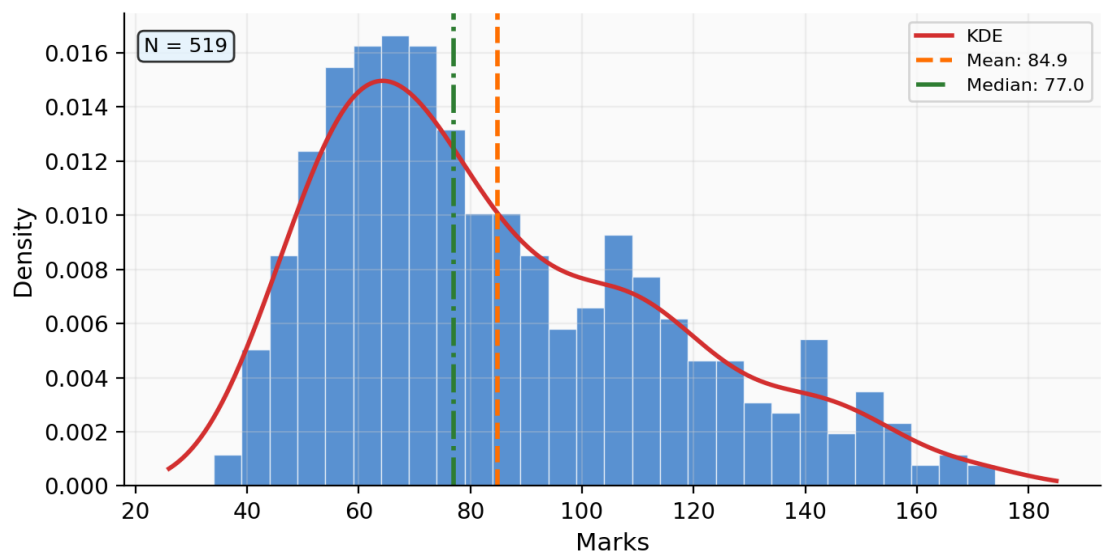
15 April - Evening: Mean=93.16, Median=86.0, Skew=0.56, N=656

Attempt 1: 15 April - Morning

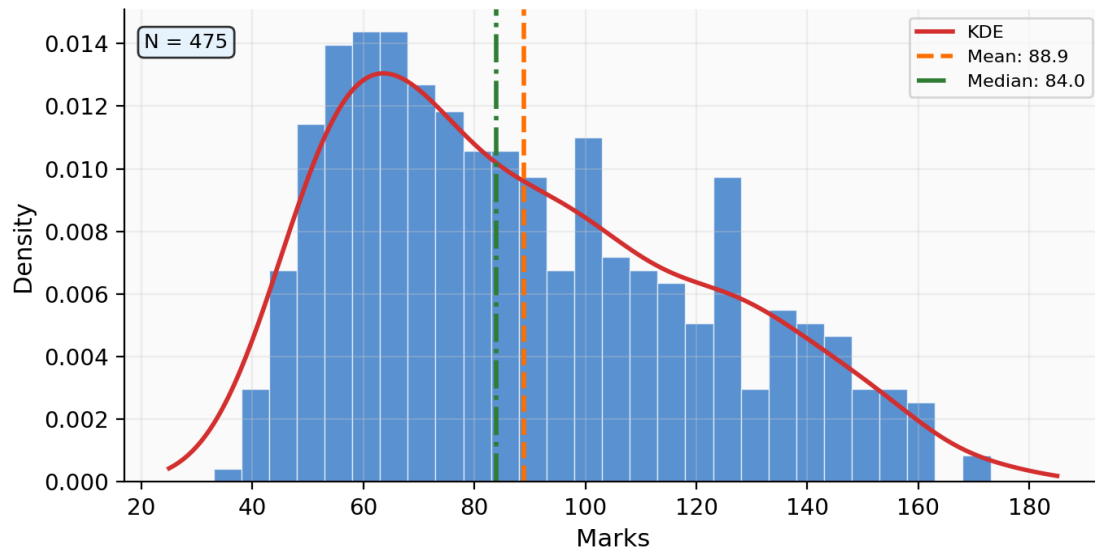
15 April - Morning: Mean=88.0, Median=81.0, Skew=0.72, N=717

Attempt 1: 16 April - Evening

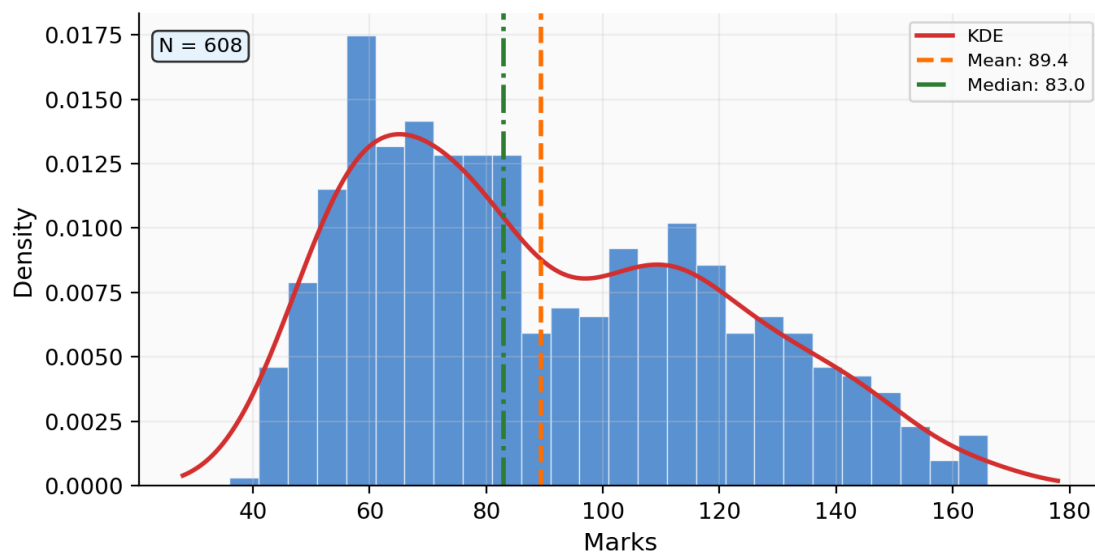
16 April - Evening: Mean=90.08, Median=83.5, Skew=0.622, N=582

Attempt 1: 16 April - Morning

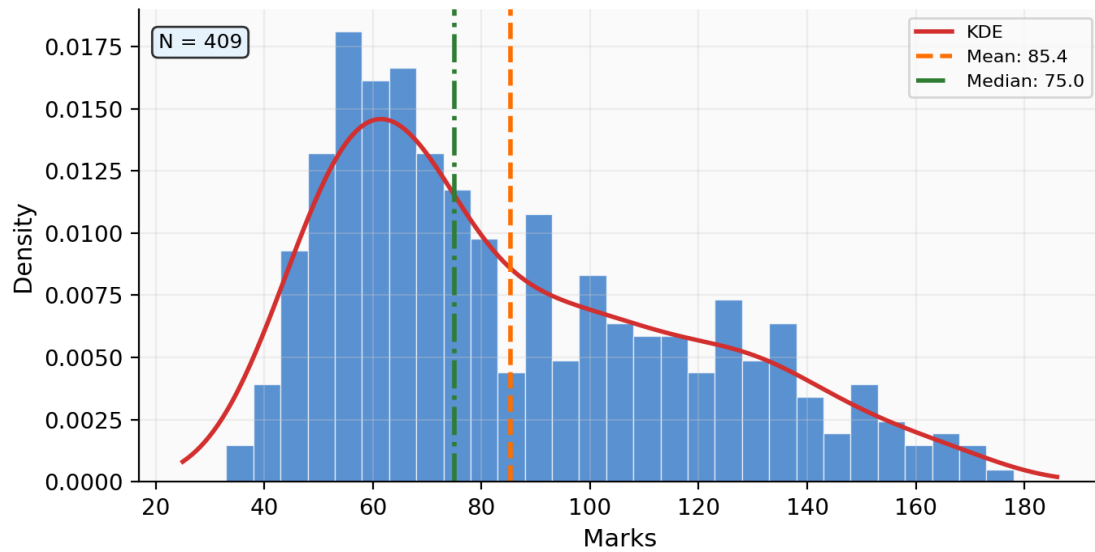
16 April - Morning: Mean=84.88, Median=77.0, Skew=0.761, N=519

Attempt 1: 17 April - Evening

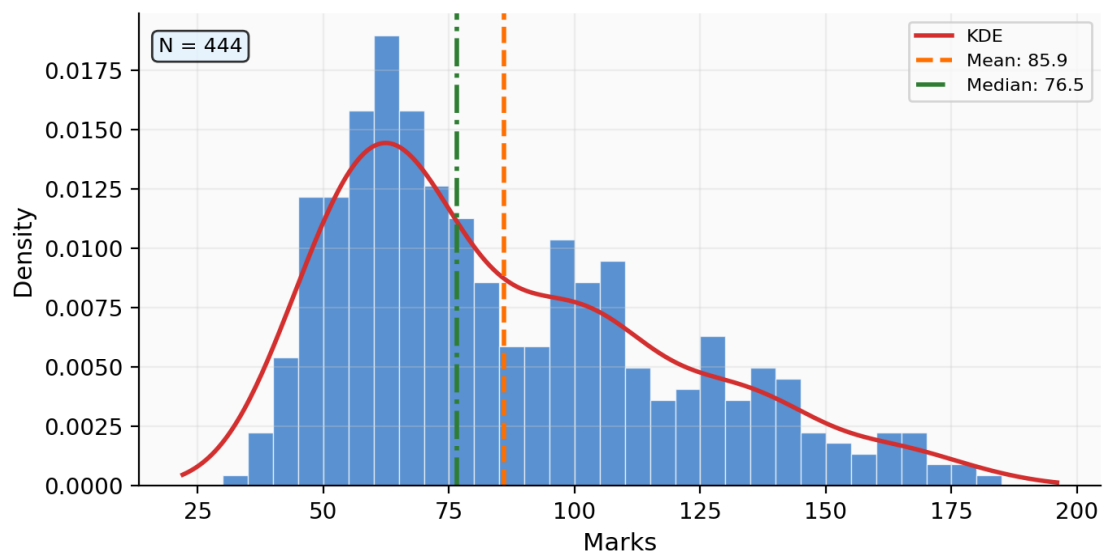
17 April - Evening: Mean=88.87, Median=84.0, Skew=0.556, N=475

Attempt 1: 17 April - Morning

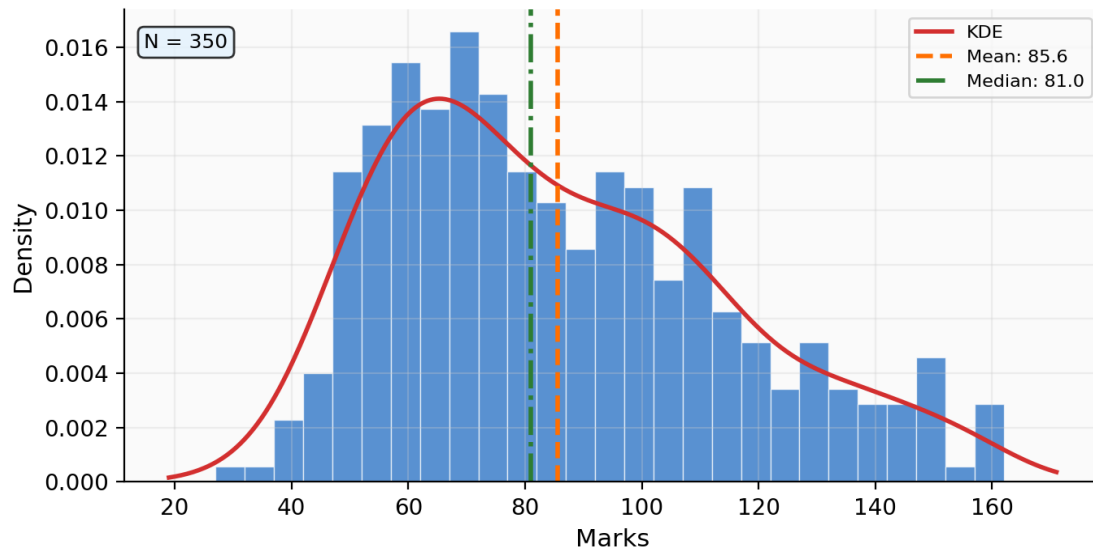
17 April - Morning: Mean=89.42, Median=83.0, Skew=0.483, N=608

Attempt 1: 18 April - Evening

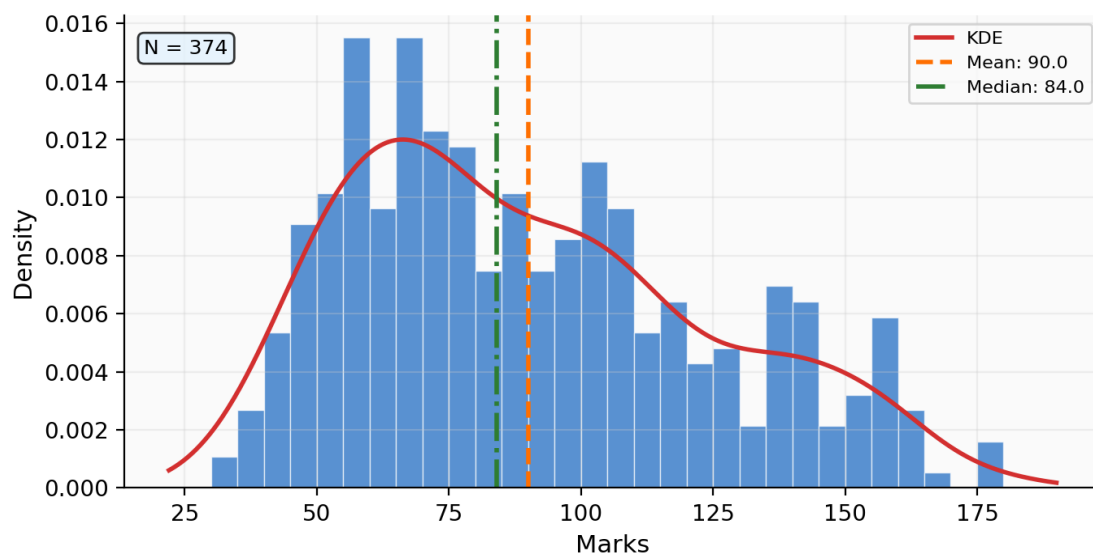
18 April - Evening: Mean=85.39, Median=75.0, Skew=0.713, N=409

Attempt 1: 18 April - Morning

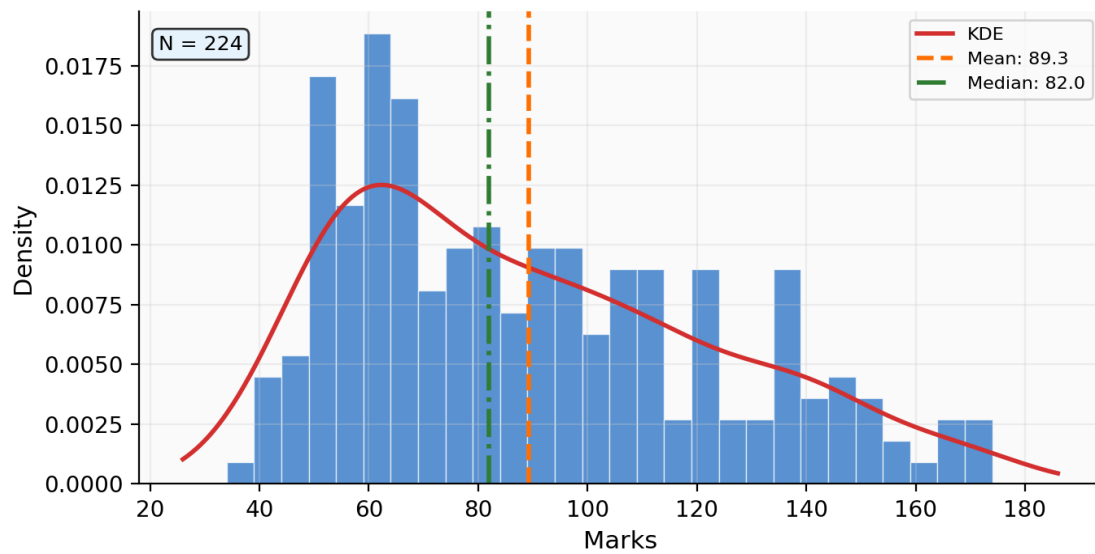
18 April - Morning: Mean=85.85, Median=76.5, Skew=0.8, N=444

Attempt 1: 19 April - Evening

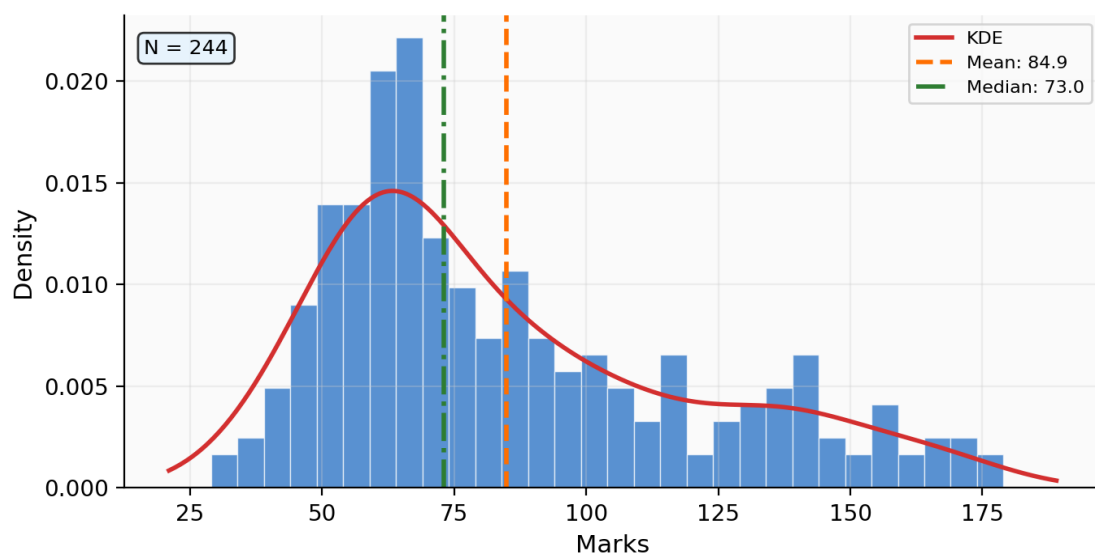
19 April - Evening: Mean=85.58, Median=81.0, Skew=0.593, N=350

Attempt 1: 19 April - Morning

19 April - Morning: Mean=89.97, Median=84.0, Skew=0.539, N=374

Attempt 1: 20 April - Evening

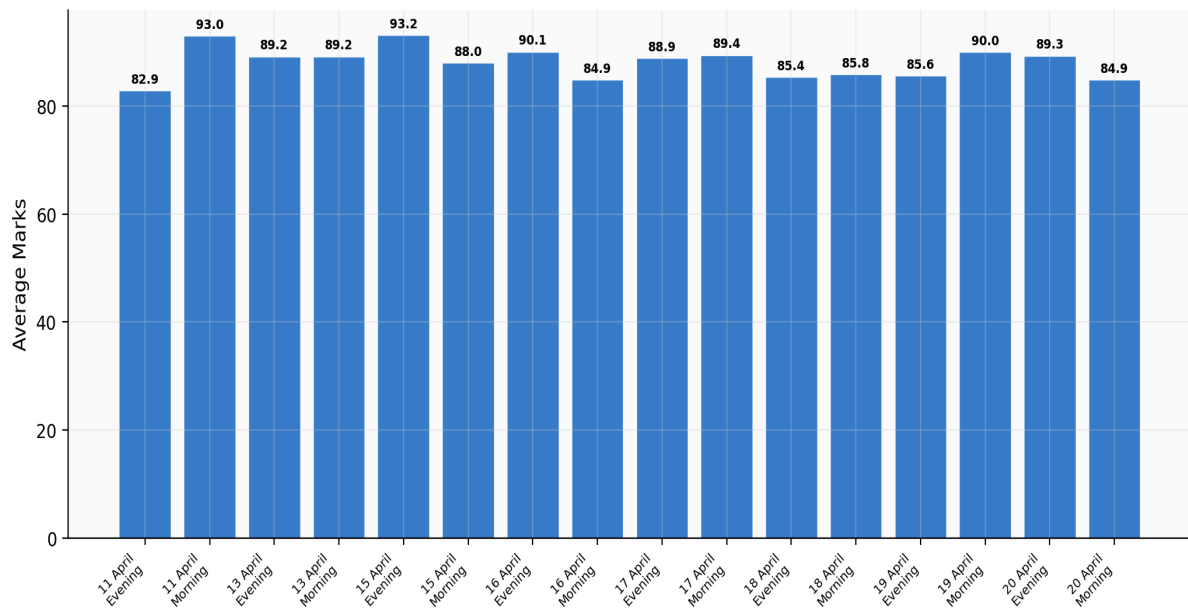
20 April - Evening: Mean=89.29, Median=82.0, Skew=0.624, N=224

Attempt 1: 20 April - Morning

20 April - Morning: Mean=84.89, Median=73.0, Skew=0.866, N=244

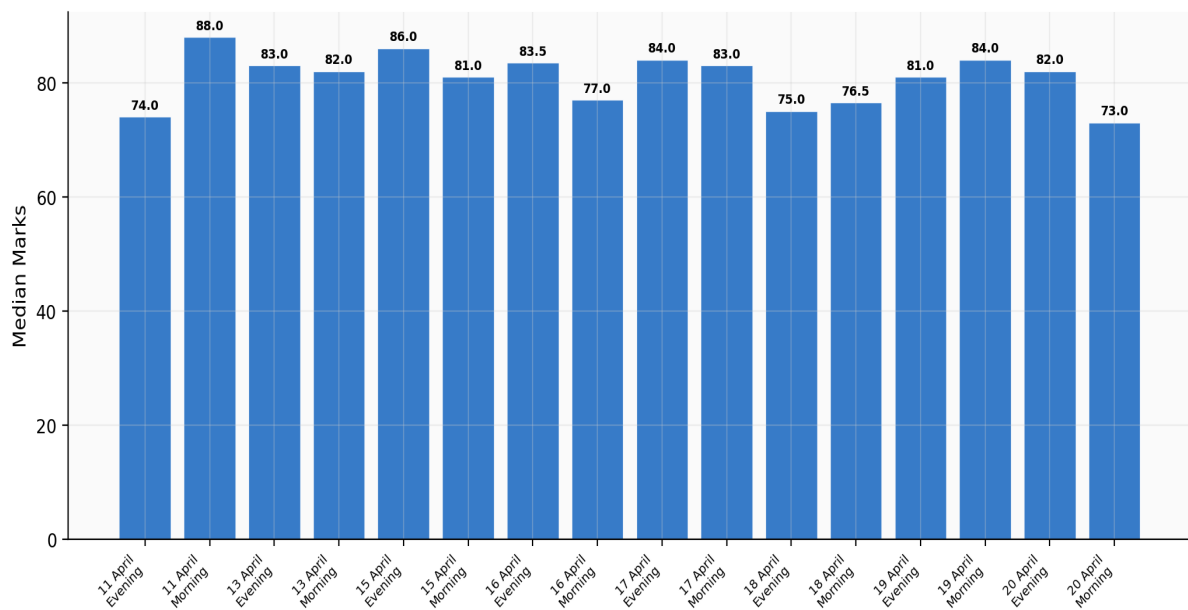
6. Visualizations — Attempt 1

Attempt 1 — Average Marks by Shift

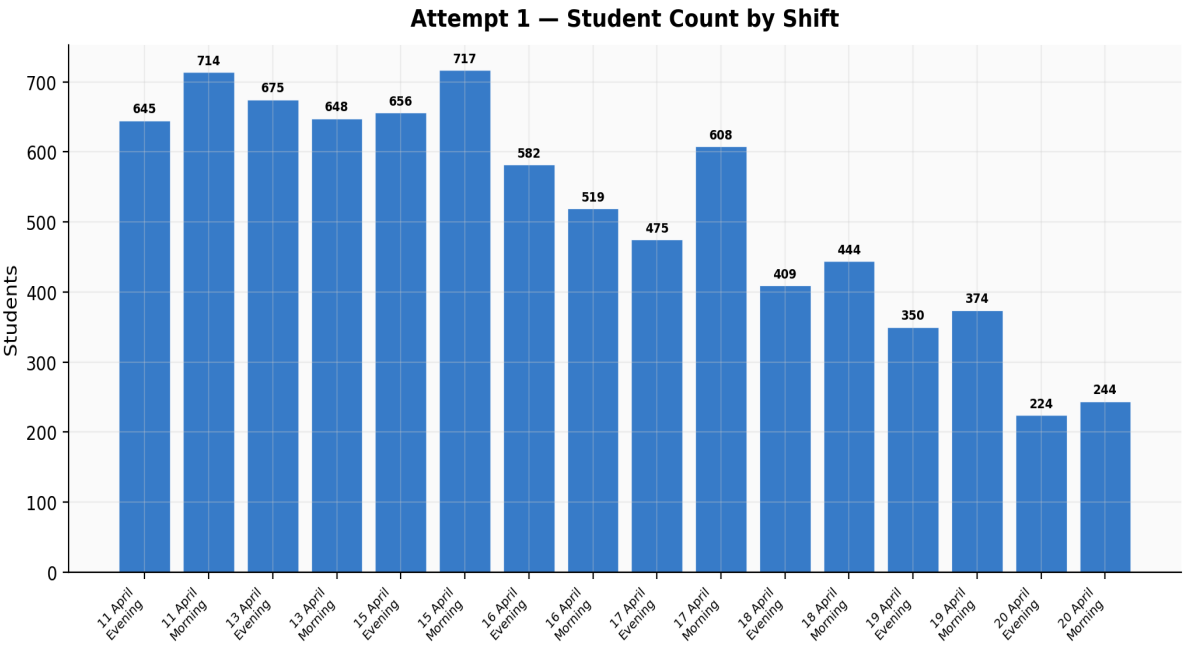


Average Marks by Shift — Attempt 1

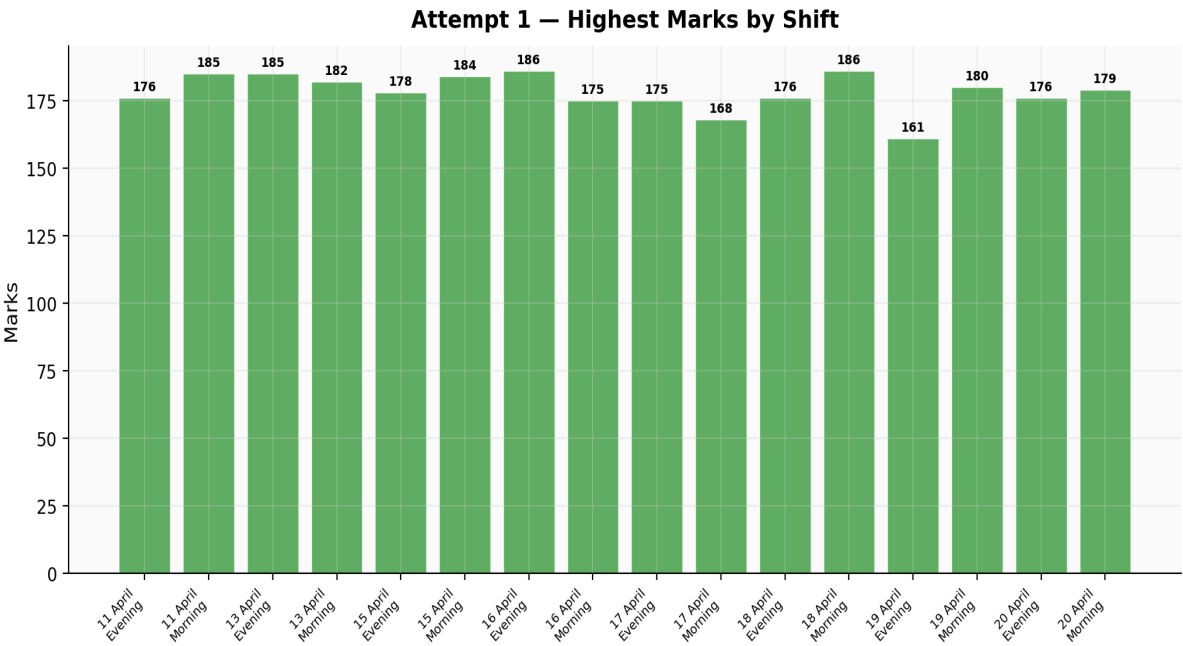
Attempt 1 — Median Marks by Shift



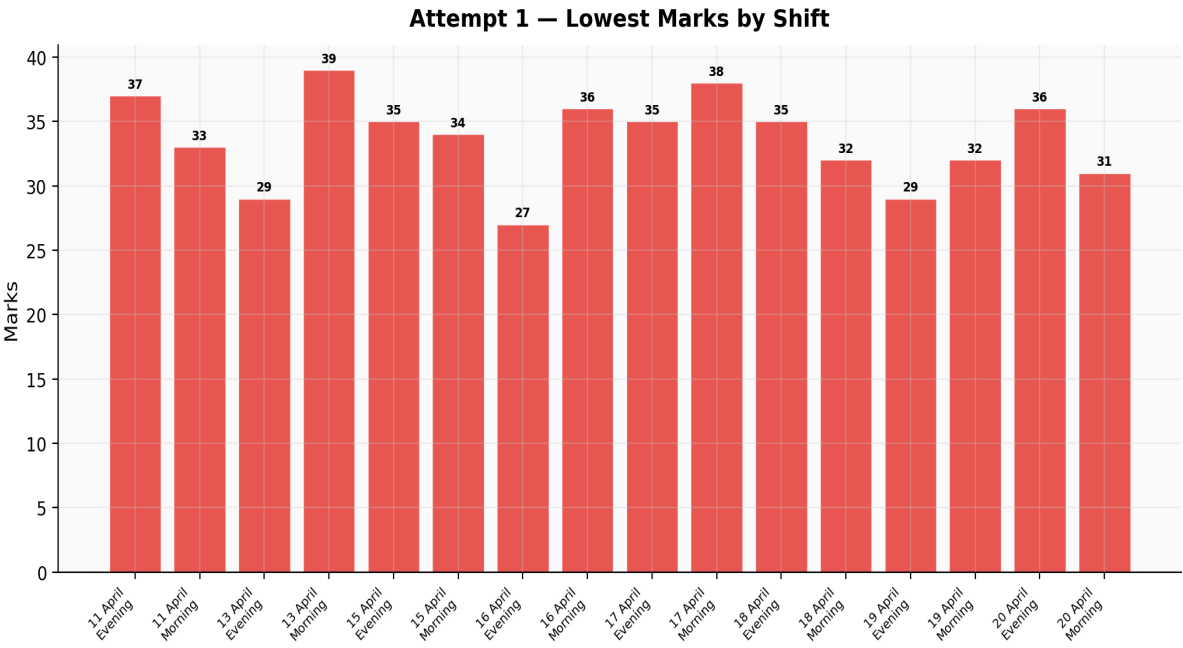
Median Marks by Shift — Attempt 1



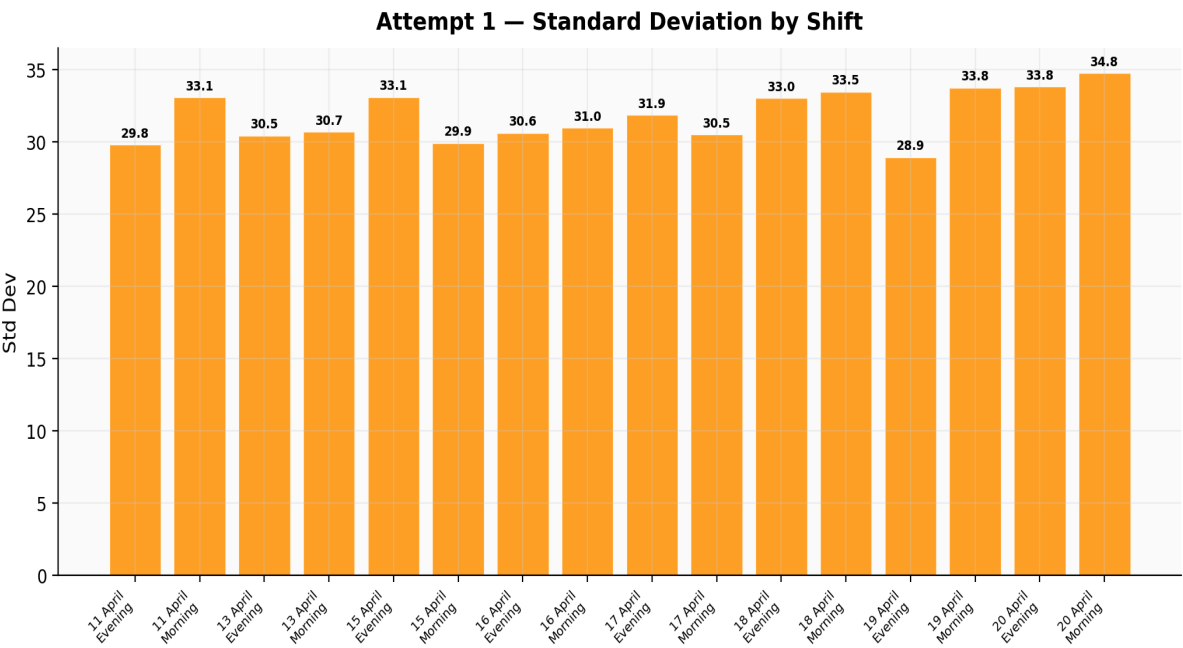
Student Count by Shift — Attempt 1



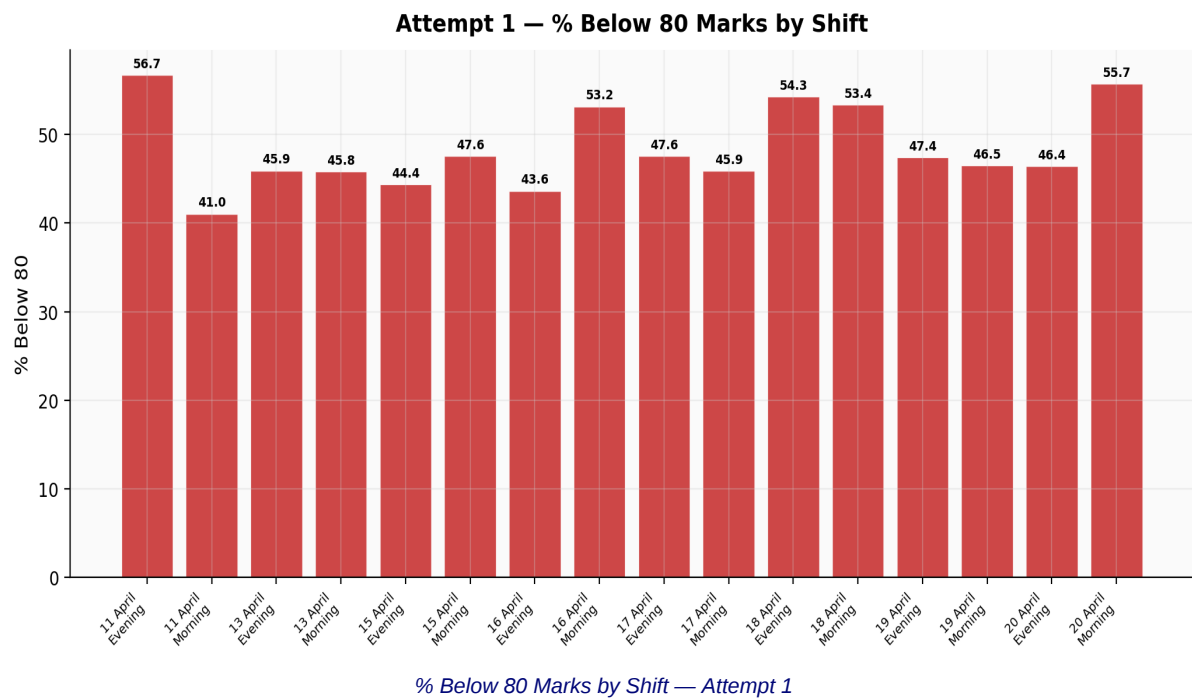
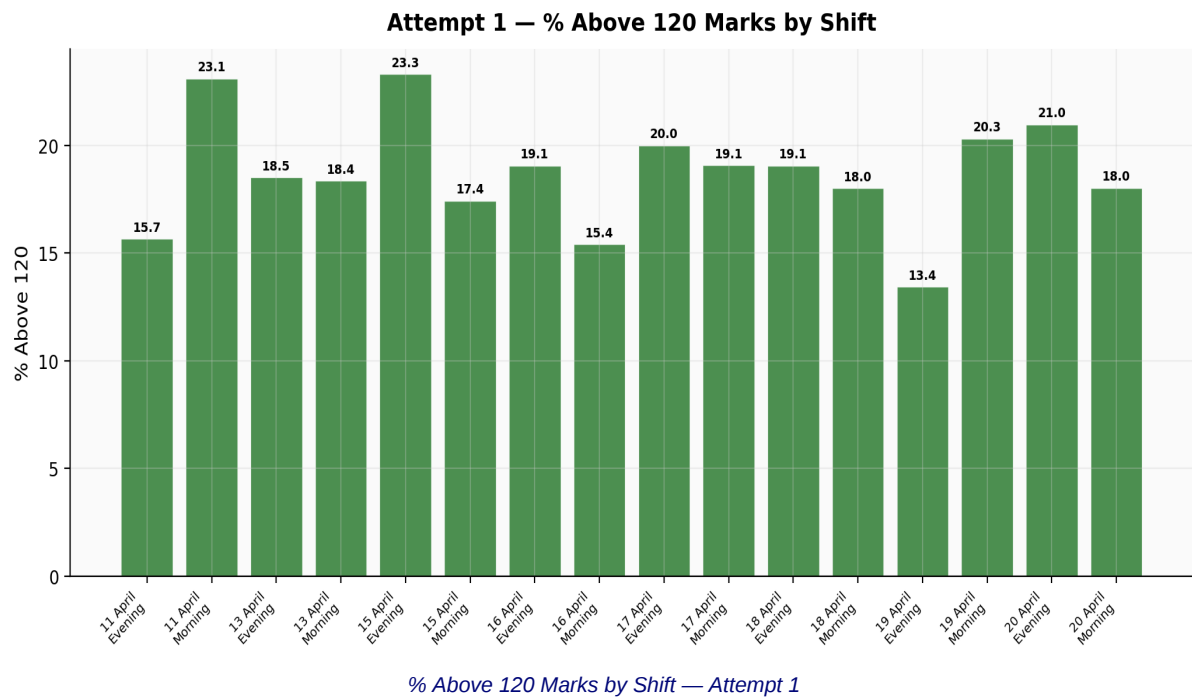
Highest Marks by Shift — Attempt 1

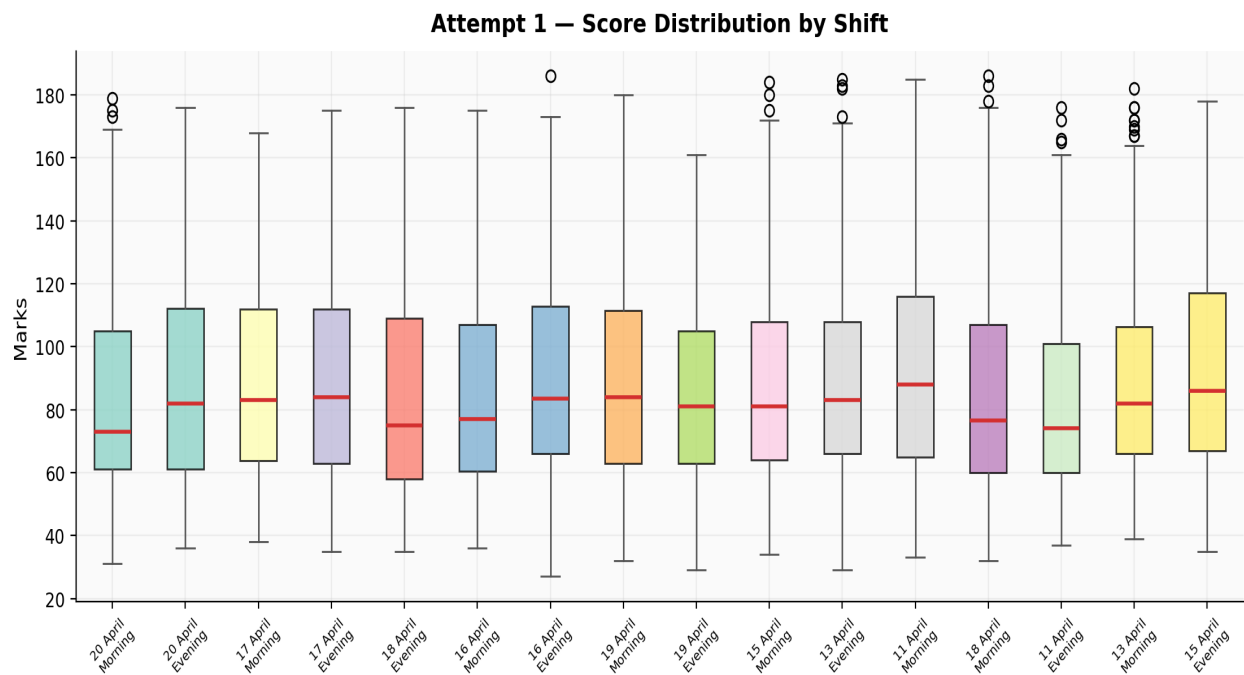


Lowest Marks by Shift — Attempt 1

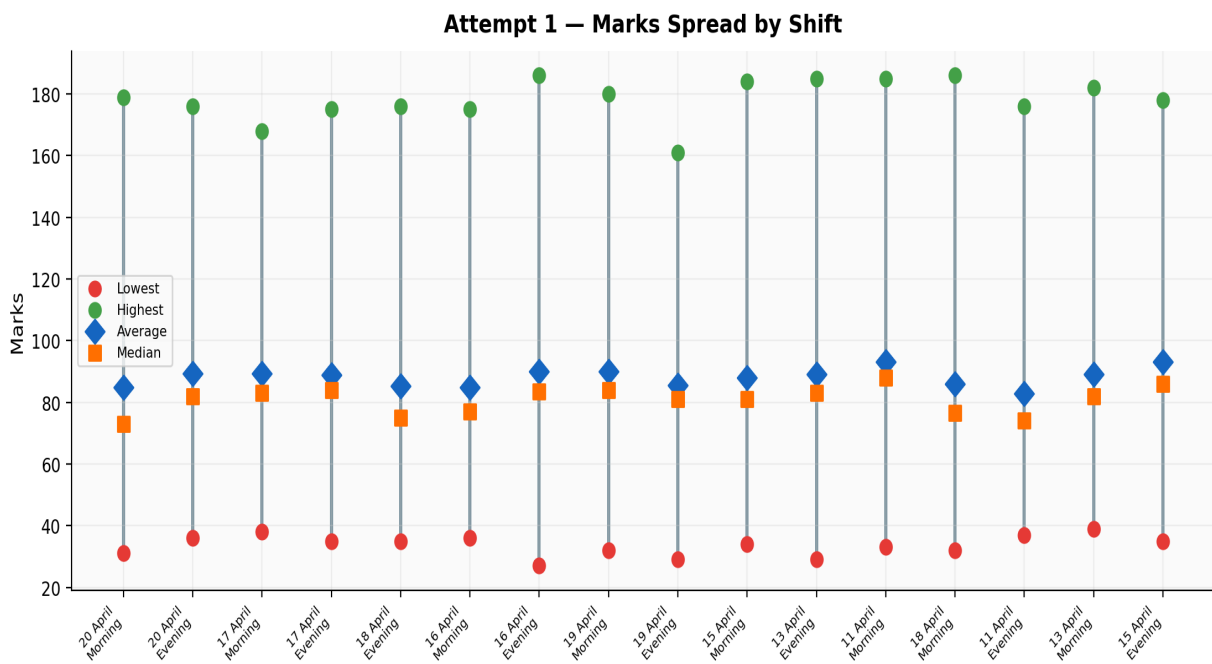


Standard Deviation by Shift — Attempt 1





Box Plot — Attempt 1



Marks Spread — Attempt 1

7. Interesting Insights — Attempt 1

- **Outlier Shift:** 11 April - Morning average (93.02) is significantly above the Attempt 1 mean (88.10).
- **Outlier Shift:** 11 April - Evening average (82.86) is significantly below the Attempt 1 mean (88.10).
- **Outlier Shift:** 15 April - Evening average (93.16) is significantly above the Attempt 1 mean (88.10).
- **Unusual Distribution:** 20 April - Morning is strongly right-skewed (more low scorers) (skewness=0.866).
- **Unusual Distribution:** 11 April - Evening is strongly right-skewed (more low scorers) (skewness=0.834).
- **Methodology Agreement:** Both Score Based and Balanced rankings agree 11 April - Evening is the hardest shift.

8. Attempt 1 Conclusion

Attempt 1 covered 16 shifts with 8,284 total student records. The overall average was **88.42** with a median of **81.0**.

Score variability ($\sigma=31.7$) and IQR (47.0) indicate moderate spread across students.

The hardest shift by Score Based ranking is **11 April - Evening** (score 79.34); by Balanced ranking is **11 April - Evening** (score 91.36). The easiest by Score Based ranking is **11 April - Morning** (91.0); by Balanced ranking is **11 April - Morning** (1.09).

18.9% scored above 120 marks, while 48.0% scored below 80.

Attempt 2 Analysis

8,550 students across 11 shifts

9. Dataset Overview — Attempt 2

Metric	Value
Total Students	8,550
Highest Marks	185
Lowest Marks	24
Average Marks	87.3
Median Marks	81.0
Mode Marks	63
Standard Deviation	29.94
IQR	45.0
Q1 (25th pctl value)	63.0
Q3 (75th pctl value)	108.0
Skewness	0.64
Kurtosis	-0.395

10. Shift-Wise Analysis — Attempt 2

Shift	Students	Highest	Lowest	Average	Median	Std Dev	Range
12 May - Evening	807	176	33	88.96	82.0	31.04	143
12 May - Morning	733	169	37	85.7	81.0	26.6	132
13 May - Evening	766	175	34	86.25	80.0	30.62	141
13 May - Morning	814	184	37	90.39	84.5	30.11	147
14 May - Evening	738	173	36	88.27	83.0	29.3	137
14 May - Morning	811	185	27	88.16	81.0	31.65	158
15 May - Evening	755	185	34	86.24	79.0	29.77	151
15 May - Morning	776	181	37	86.01	81.0	28.38	144
19 May - Evening	849	178	24	88.31	81.0	32.83	154
19 May - Morning	706	173	34	87.49	80.0	28.16	139
20 May - Morning	795	180	33	84.19	79.0	29.24	147

Top 10 Marks per Shift

Shift	1	2	3	4	5	6	7	8	9	10
12 May - Evening	176	173	173	171	169	168	168	165	164	161
12 May - Morning	169	166	165	163	162	160	160	158	155	154
13 May - Evening	175	174	172	171	166	164	164	163	162	162
13 May - Morning	184	180	179	170	168	166	165	163	162	161
14 May - Evening	173	170	170	168	165	164	163	161	161	157
14 May - Morning	185	175	175	166	165	165	164	162	162	161
15 May - Evening	185	183	174	167	166	165	165	162	162	161
15 May - Morning	181	169	167	163	162	160	157	155	154	154
19 May - Evening	178	171	169	168	166	166	165	164	164	164
19 May - Morning	173	169	169	168	166	165	162	159	157	152
20 May - Morning	180	174	172	172	171	170	168	168	167	165

11. Difficulty Ranking — Attempt 2

Rankings below compare ONLY the 11 shifts within Attempt 2. No shifts from the other attempt are included.

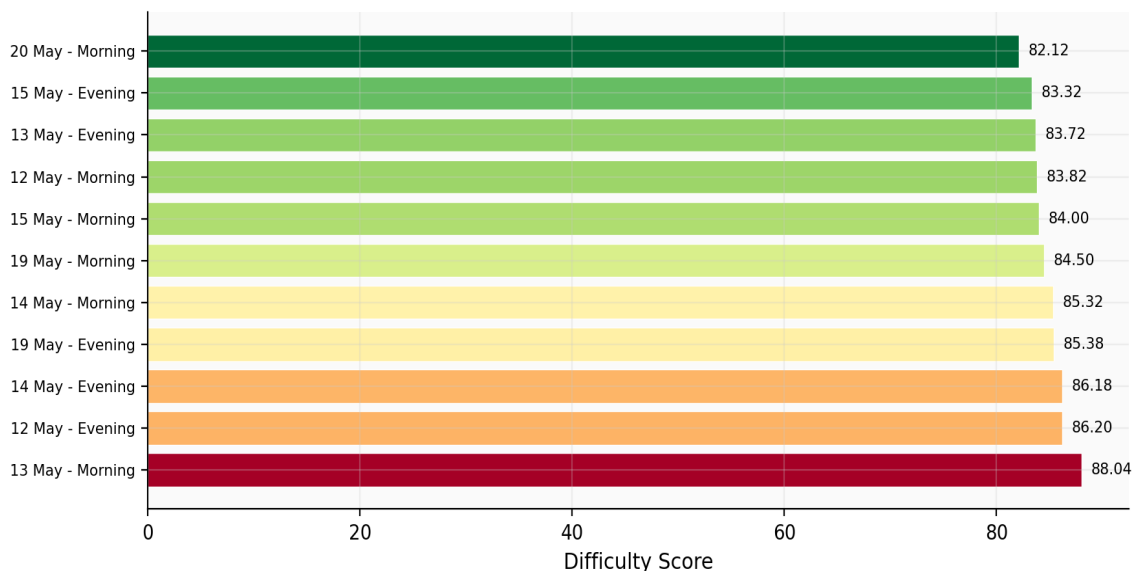
Score Based Ranking

Methodology: $\text{Score} = \text{Average} \times 0.6 + \text{Median} \times 0.4$. Lower score = harder shift.

Hardest → Easiest

Rank	Shift	Avg	Median	Score
1	20 May - Morning	84.19	79.0	82.12
2	15 May - Evening	86.24	79.0	83.32
3	13 May - Evening	86.25	80.0	83.72
4	12 May - Morning	85.7	81.0	83.82
5	15 May - Morning	86.01	81.0	84.0
6	19 May - Morning	87.49	80.0	84.5
7	14 May - Morning	88.16	81.0	85.32
8	19 May - Evening	88.31	81.0	85.38
9	14 May - Evening	88.27	83.0	86.18
10	12 May - Evening	88.96	82.0	86.2
11	13 May - Morning	90.39	84.5	88.04

Attempt 2 Score Based — Hardest to Easiest



Difficulty Score Based — Attempt 2

Easiest → Hardest

Rank	Shift	Avg	Median	Score
1	13 May - Morning	90.39	84.5	88.04

Rank	Shift	Avg	Median	Score
2	12 May - Evening	88.96	82.0	86.2
3	14 May - Evening	88.27	83.0	86.18
4	19 May - Evening	88.31	81.0	85.38
5	14 May - Morning	88.16	81.0	85.32
6	19 May - Morning	87.49	80.0	84.5
7	15 May - Morning	86.01	81.0	84.0
8	12 May - Morning	85.7	81.0	83.82
9	13 May - Evening	86.25	80.0	83.72
10	15 May - Evening	86.24	79.0	83.32
11	20 May - Morning	84.19	79.0	82.12

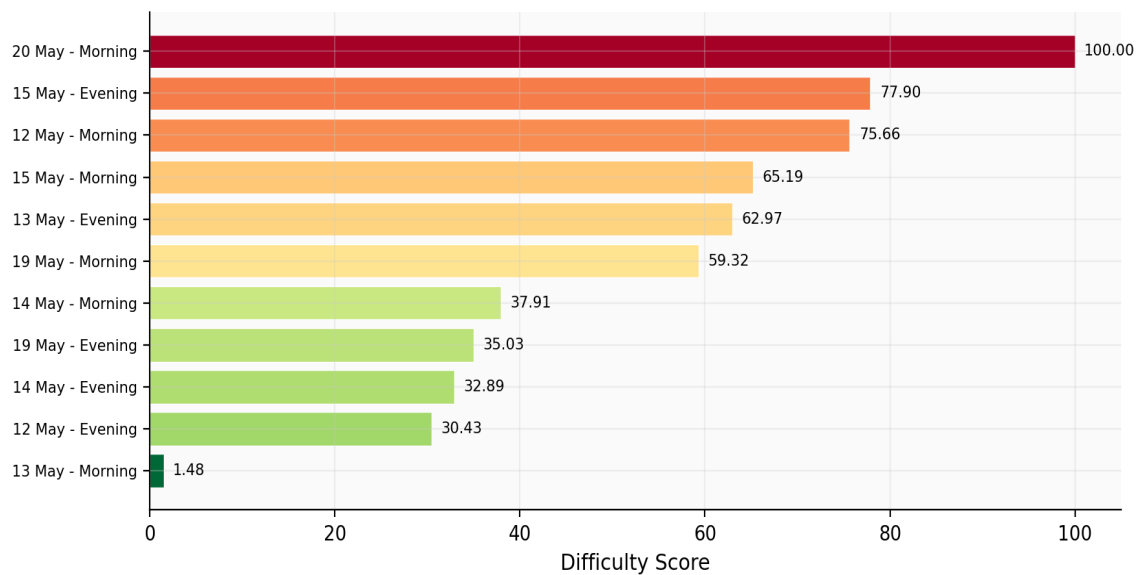
Balanced Ranking

Methodology: Normalized calculation based on Average (25%), Median (25%), % above 120 (30%), and % below 80 (20%). Higher score = harder shift.

Hardest → Easiest

Rank	Shift	Avg	Median	Students	% >120	% <80	Score
1	20 May - Morning	84.19	79.0	795	12.7%	51.7%	100.0
2	15 May - Evening	86.24	79.0	755	16.0%	51.0%	77.9
3	12 May - Morning	85.7	81.0	733	12.8%	48.3%	75.66
4	15 May - Morning	86.01	81.0	776	15.3%	48.3%	65.19
5	13 May - Evening	86.25	80.0	766	17.4%	49.0%	62.97
6	19 May - Morning	87.49	80.0	706	16.1%	47.9%	59.32
7	14 May - Morning	88.16	81.0	811	20.2%	48.2%	37.91
8	19 May - Evening	88.31	81.0	849	20.9%	48.1%	35.03
9	14 May - Evening	88.27	83.0	738	17.1%	45.5%	32.89
10	12 May - Evening	88.96	82.0	807	19.7%	47.6%	30.43
11	13 May - Morning	90.39	84.5	814	20.4%	44.0%	1.48

Attempt 2 Balanced — Hardest to Easiest



Difficulty Balanced — Attempt 2

Easiest → Hardest

Rank	Shift	Avg	Median	Students	% >120	% <80	Score
1	13 May - Morning	90.39	84.5	814	20.4%	44.0%	1.48
2	12 May - Evening	88.96	82.0	807	19.7%	47.6%	30.43
3	14 May - Evening	88.27	83.0	738	17.1%	45.5%	32.89
4	19 May - Evening	88.31	81.0	849	20.9%	48.1%	35.03

Ran k	Shift	Avg	Median	Students	% >120	% <80	Score
5	14 May - Morning	88.16	81.0	811	20.2%	48.2%	37.91
6	19 May - Morning	87.49	80.0	706	16.1%	47.9%	59.32
7	13 May - Evening	86.25	80.0	766	17.4%	49.0%	62.97
8	15 May - Morning	86.01	81.0	776	15.3%	48.3%	65.19
9	12 May - Morning	85.7	81.0	733	12.8%	48.3%	75.66
10	15 May - Evening	86.24	79.0	755	16.0%	51.0%	77.9
11	20 May - Morning	84.19	79.0	795	12.7%	51.7%	100.0

Score Based vs Balanced Ranking Comparison

Shift	Score Based Rank	Balanced Rank	Change
13 May - Evening	3	5	↓2
12 May - Morning	4	3	↑1
15 May - Morning	5	4	↑1
20 May - Morning	1	1	—
15 May - Evening	2	2	—
19 May - Morning	6	6	—
14 May - Morning	7	7	—
19 May - Evening	8	8	—
14 May - Evening	9	9	—
12 May - Evening	10	10	—
13 May - Morning	11	11	—

Consistently Difficult (Top 3 in both):

- 20 May - Morning
- 15 May - Evening

Consistently Easy (Bottom 3 in both):

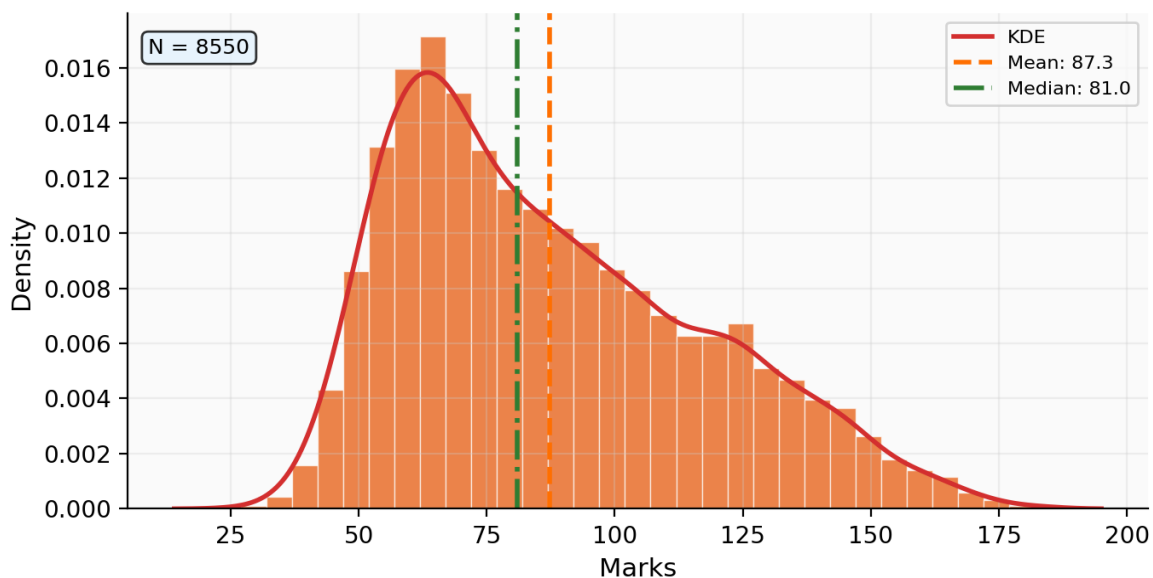
- 12 May - Evening
- 13 May - Morning
- 14 May - Evening

12. High & Low Score Analysis — Attempt 2

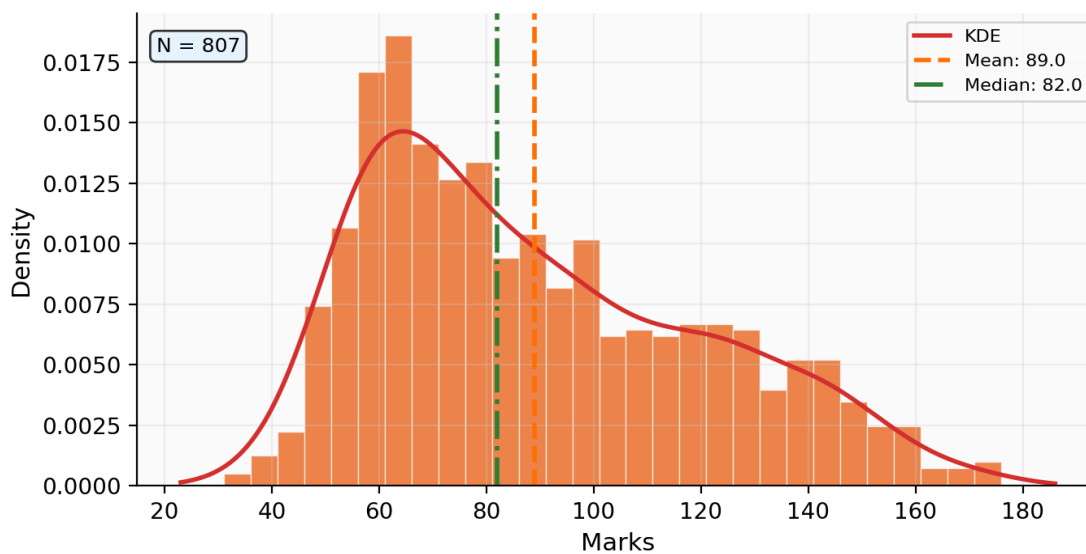
Shift	>120	>140	>160	>180	<80	<60	<40
12 May - Evening	19.7%	8.6%	1.4%	0.0%	47.6%	18.3%	0.6%
12 May - Morning	12.8%	4.2%	0.9%	0.0%	48.3%	16.2%	0.1%
13 May - Evening	17.4%	6.0%	2.2%	0.0%	49.0%	21.4%	1.2%
13 May - Morning	20.4%	7.2%	1.6%	0.2%	44.0%	15.4%	0.4%
14 May - Evening	17.1%	5.8%	1.2%	0.0%	45.5%	18.6%	0.1%
14 May - Morning	20.2%	8.0%	1.6%	0.1%	48.2%	21.2%	1.1%
15 May - Evening	16.0%	6.9%	1.3%	0.3%	51.0%	18.3%	0.3%
15 May - Morning	15.3%	4.8%	0.8%	0.1%	48.3%	17.9%	0.6%
19 May - Evening	20.9%	9.3%	1.6%	0.0%	48.1%	23.4%	1.4%
19 May - Morning	16.1%	4.8%	1.0%	0.0%	47.9%	16.3%	0.3%
20 May - Morning	12.7%	6.3%	1.8%	0.1%	51.7%	22.1%	0.6%
OVERALL	17.2%	6.6%	1.4%	0.1%	48.1%	19.1%	0.6%

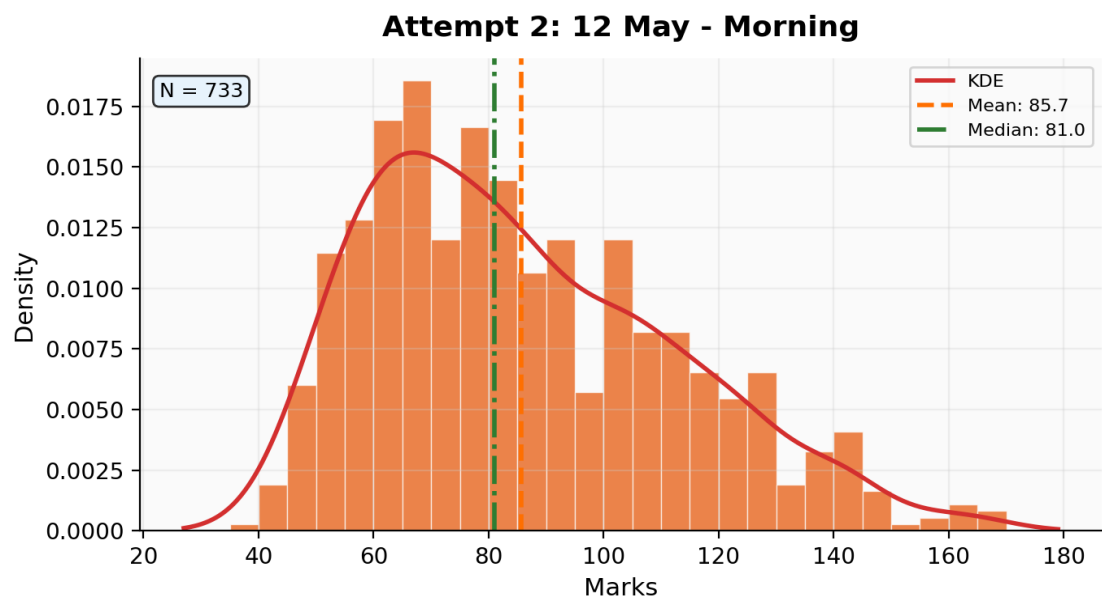
13. Marks Distribution — Attempt 2

Attempt 2 — Combined Distribution

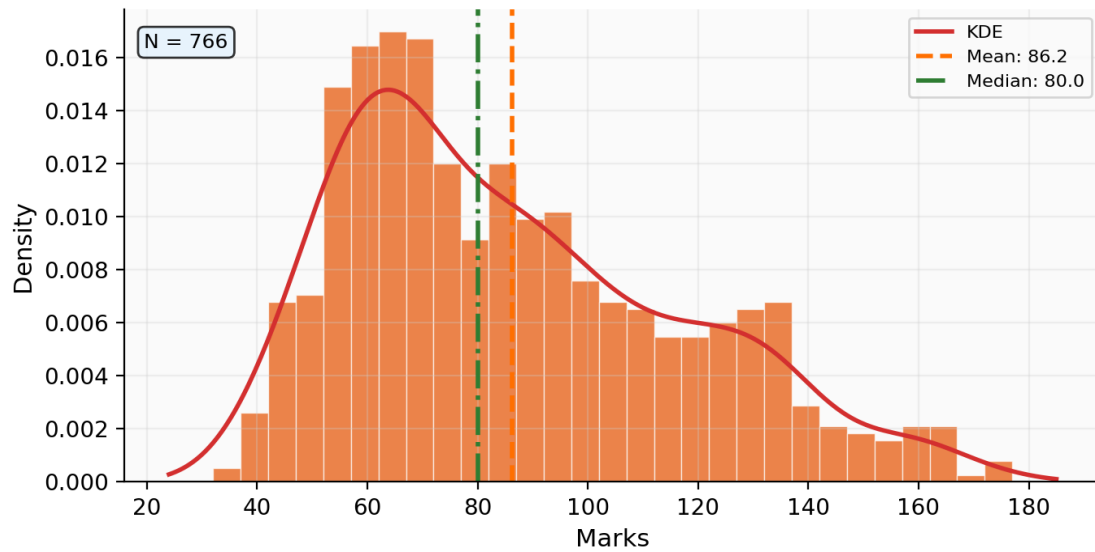


Attempt 2: 12 May - Evening

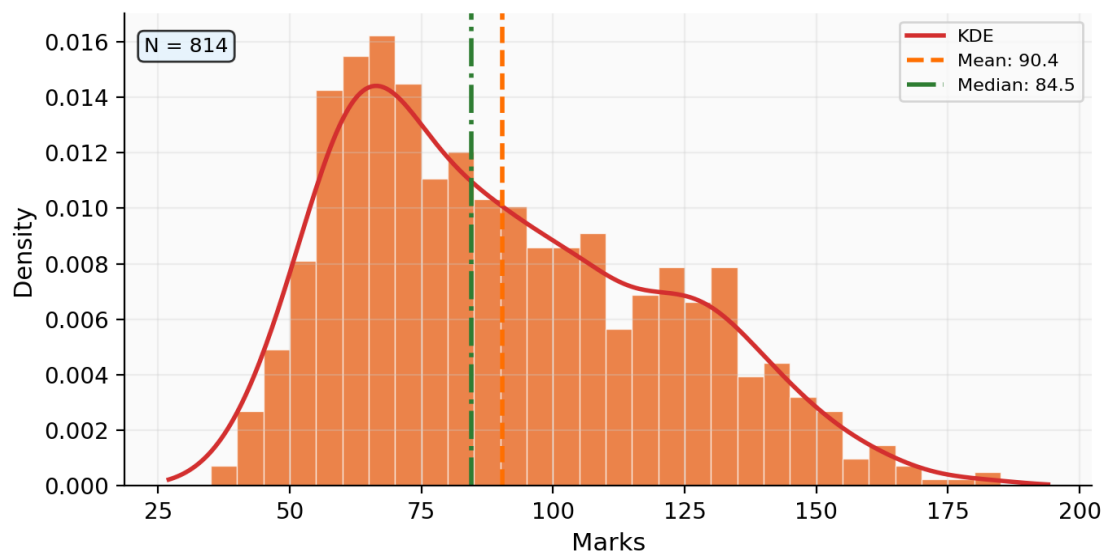




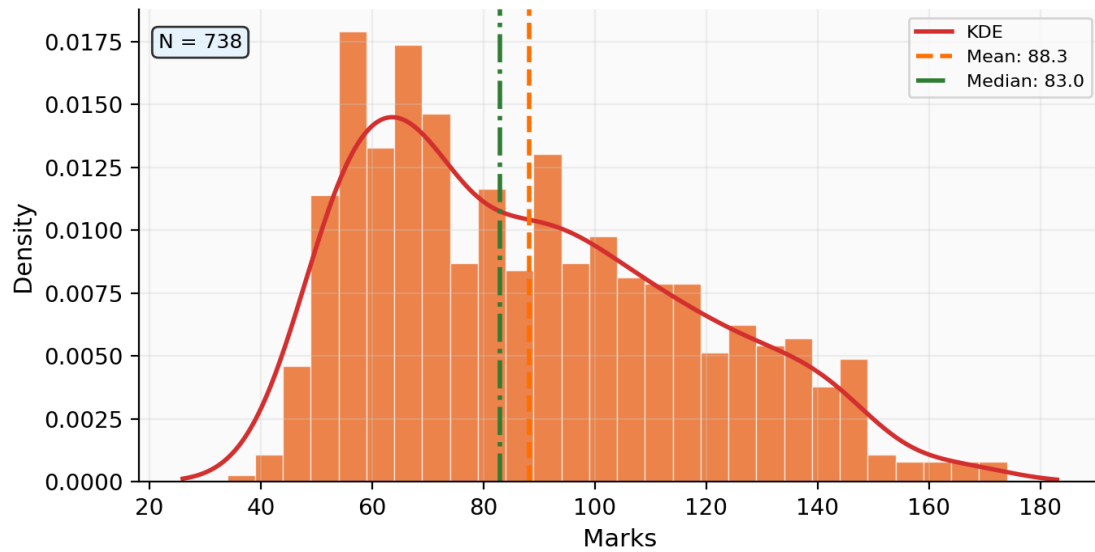
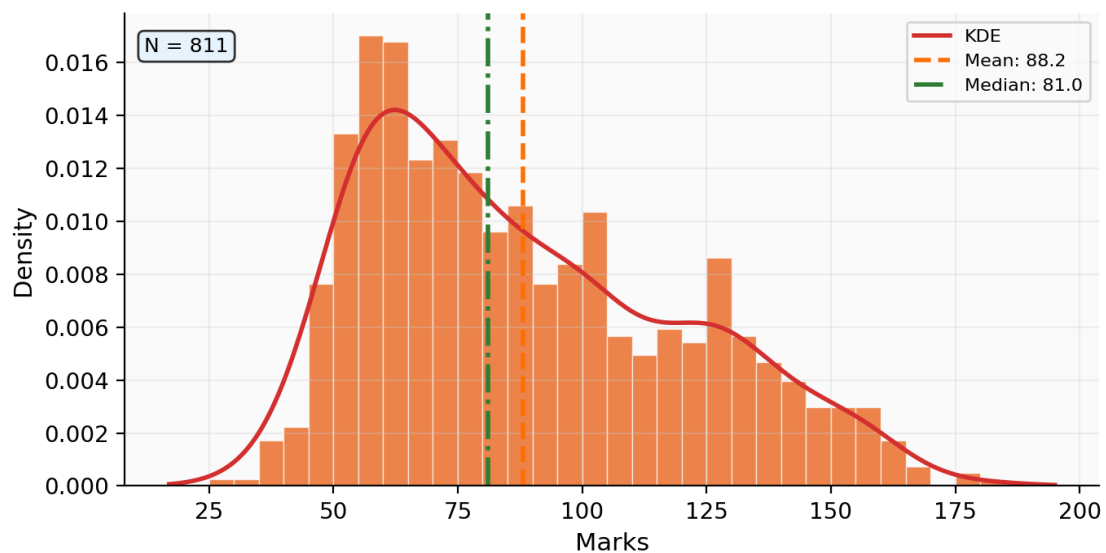
12 May - Morning: Mean=85.7, Median=81.0, Skew=0.651, N=733

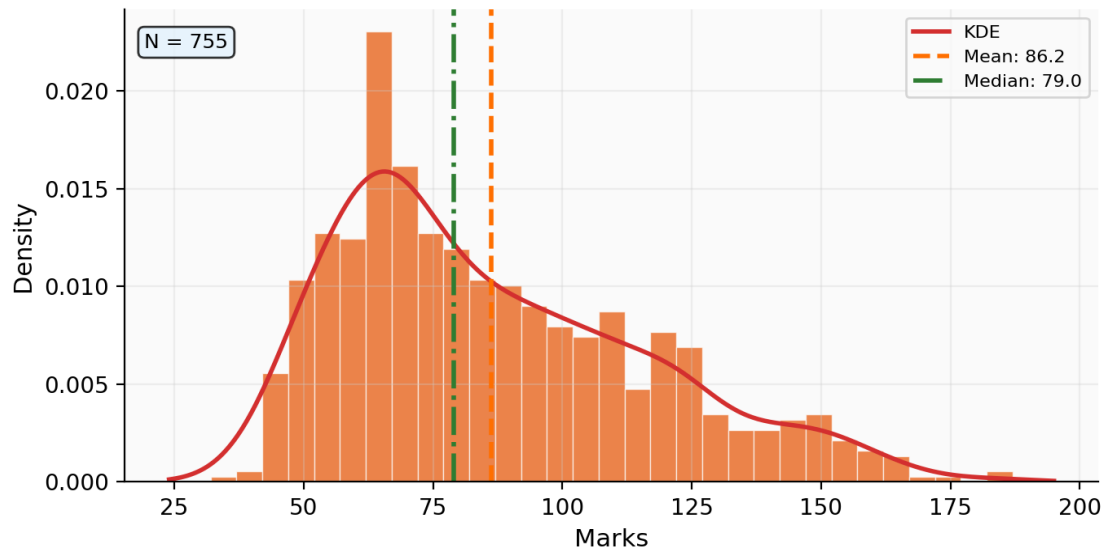
Attempt 2: 13 May - Evening

13 May - Evening: Mean=86.25, Median=80.0, Skew=0.671, N=766

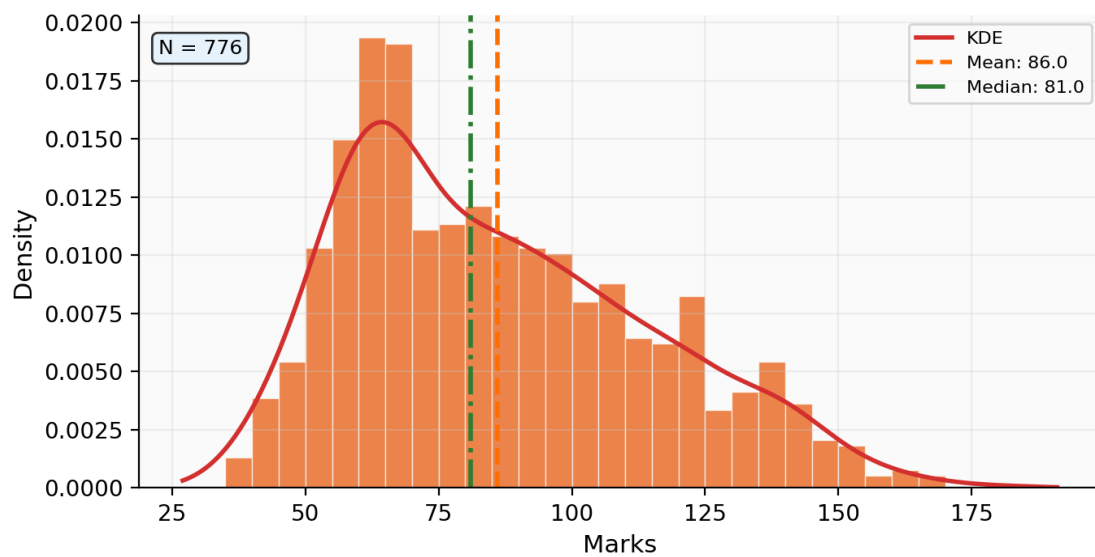
Attempt 2: 13 May - Morning

13 May - Morning: Mean=90.39, Median=84.5, Skew=0.552, N=814

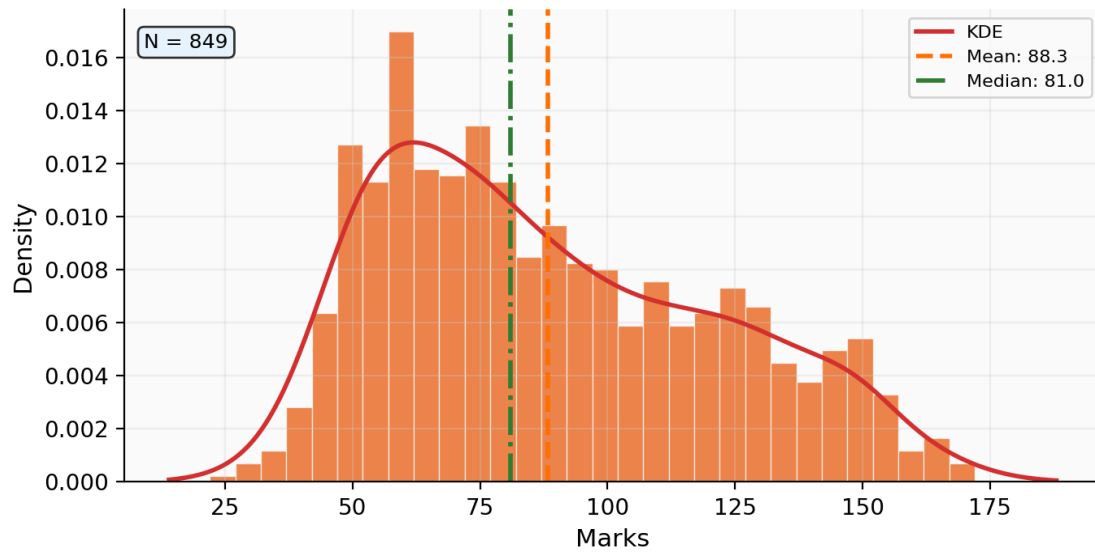
Attempt 2: 14 May - Evening**Attempt 2: 14 May - Morning**

Attempt 2: 15 May - Evening

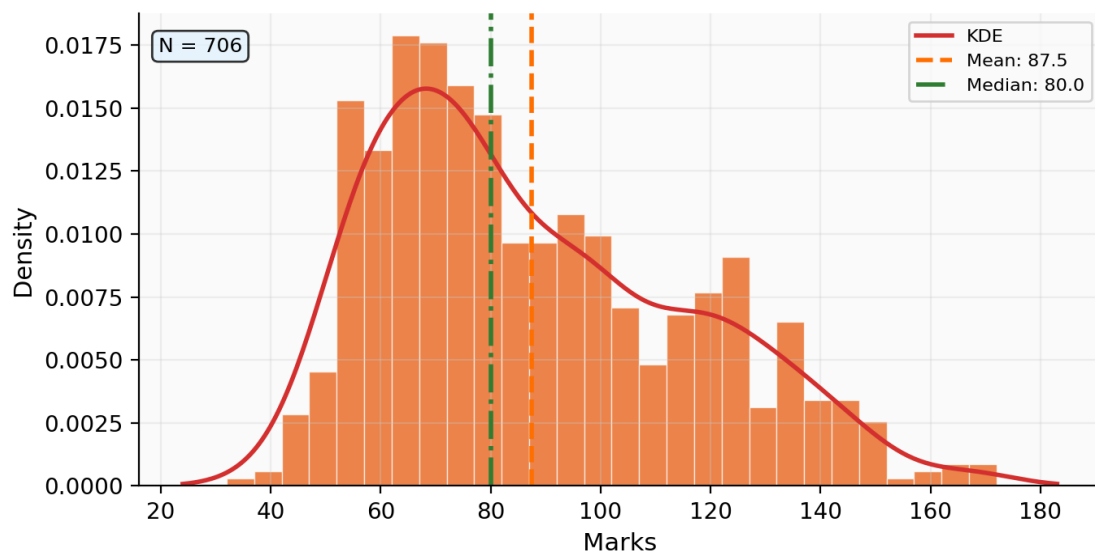
15 May - Evening: Mean=86.24, Median=79.0, Skew=0.76, N=755

Attempt 2: 15 May - Morning

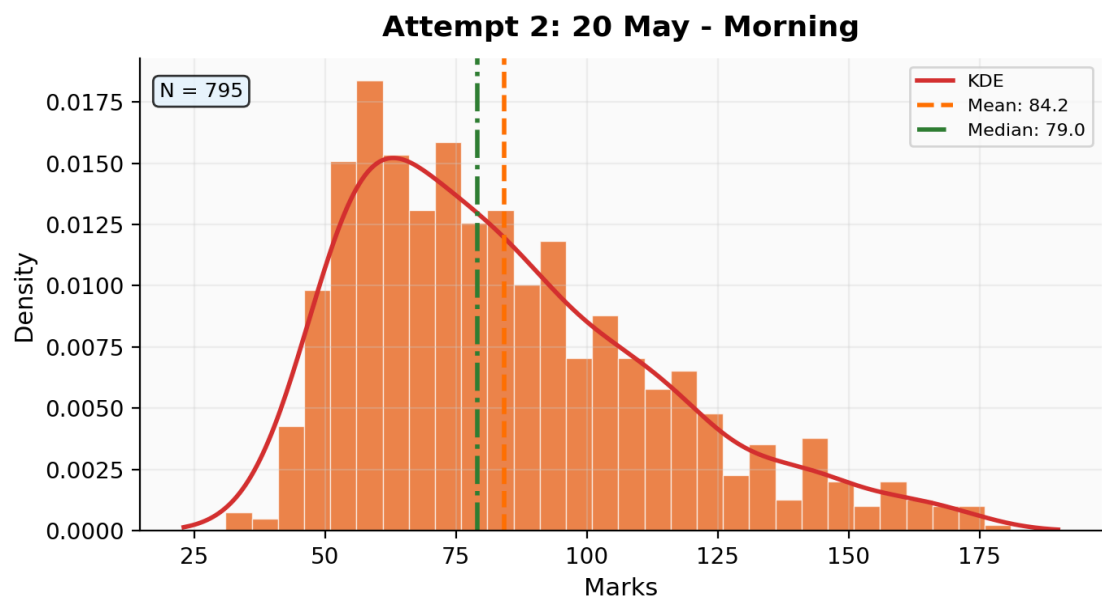
15 May - Morning: Mean=86.01, Median=81.0, Skew=0.612, N=776

Attempt 2: 19 May - Evening

19 May - Evening: Mean=88.31, Median=81.0, Skew=0.505, N=849

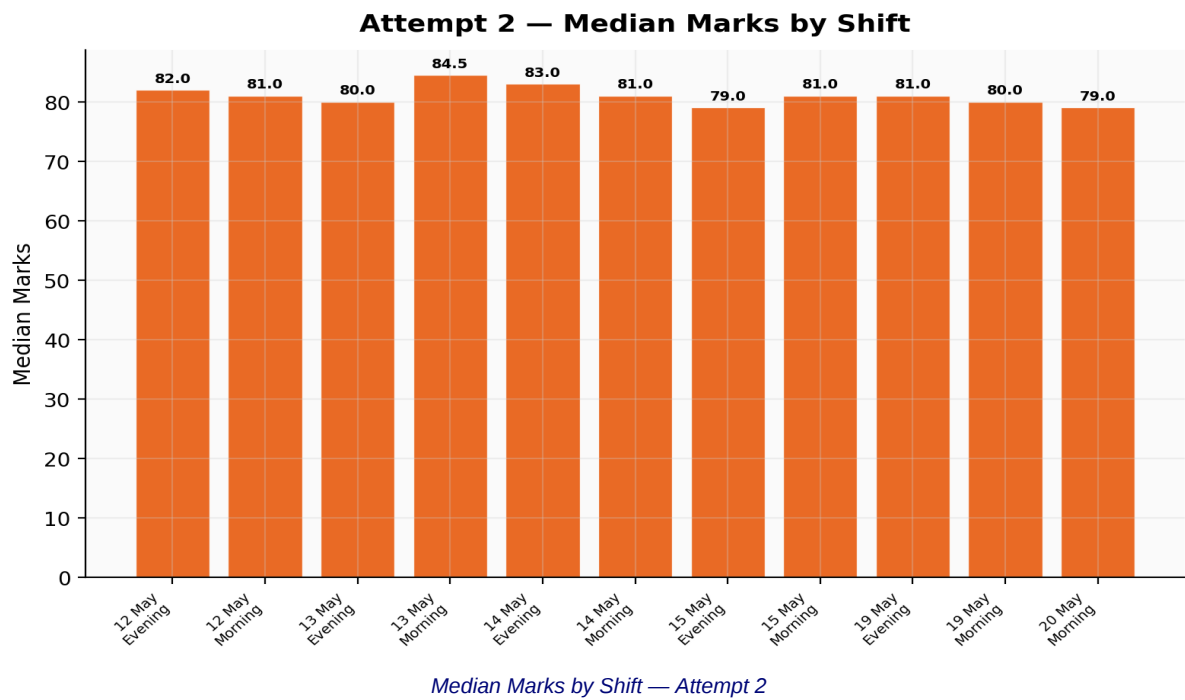
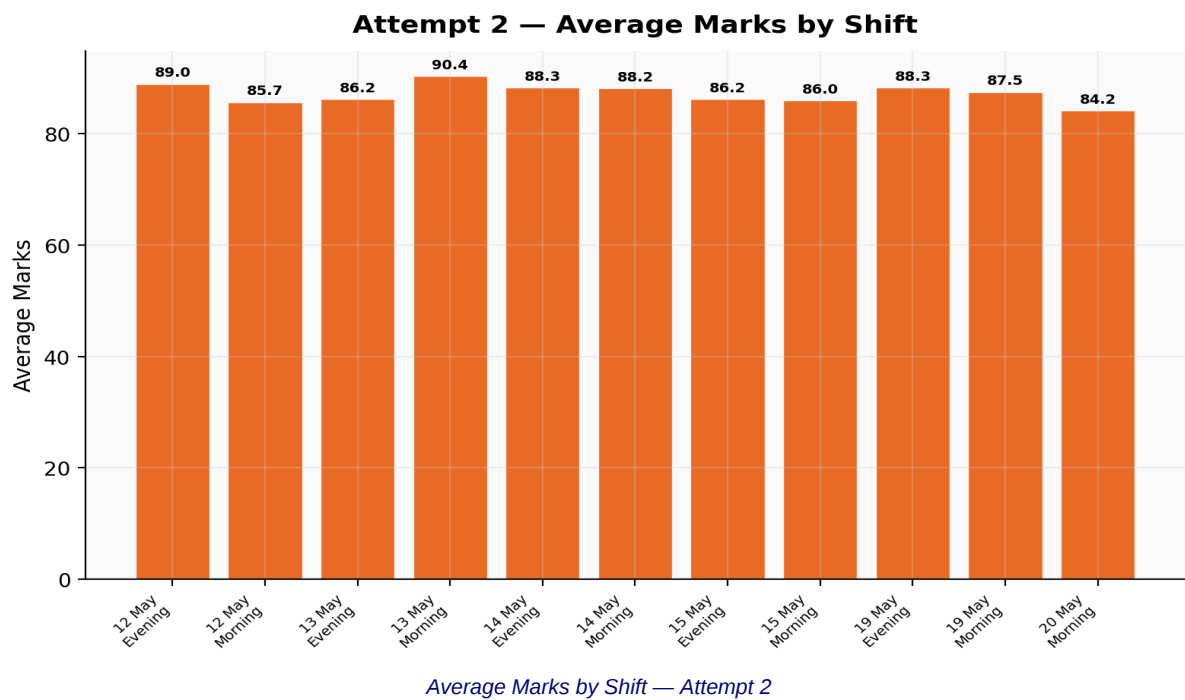
Attempt 2: 19 May - Morning

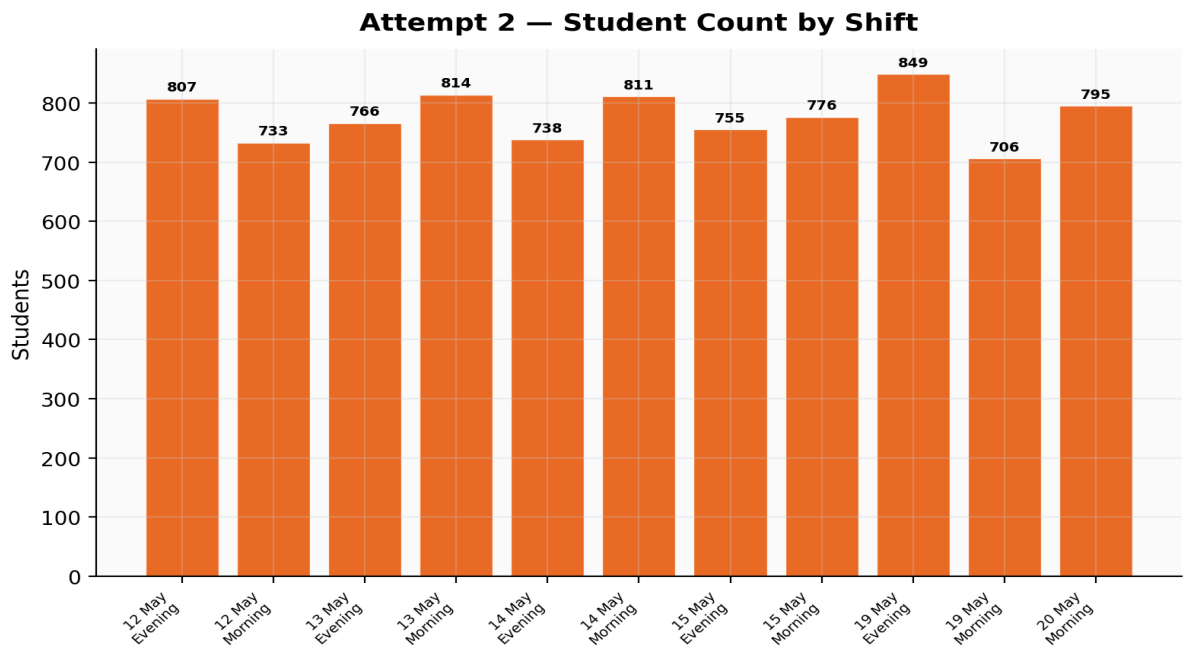
19 May - Morning: Mean=87.49, Median=80.0, Skew=0.641, N=706



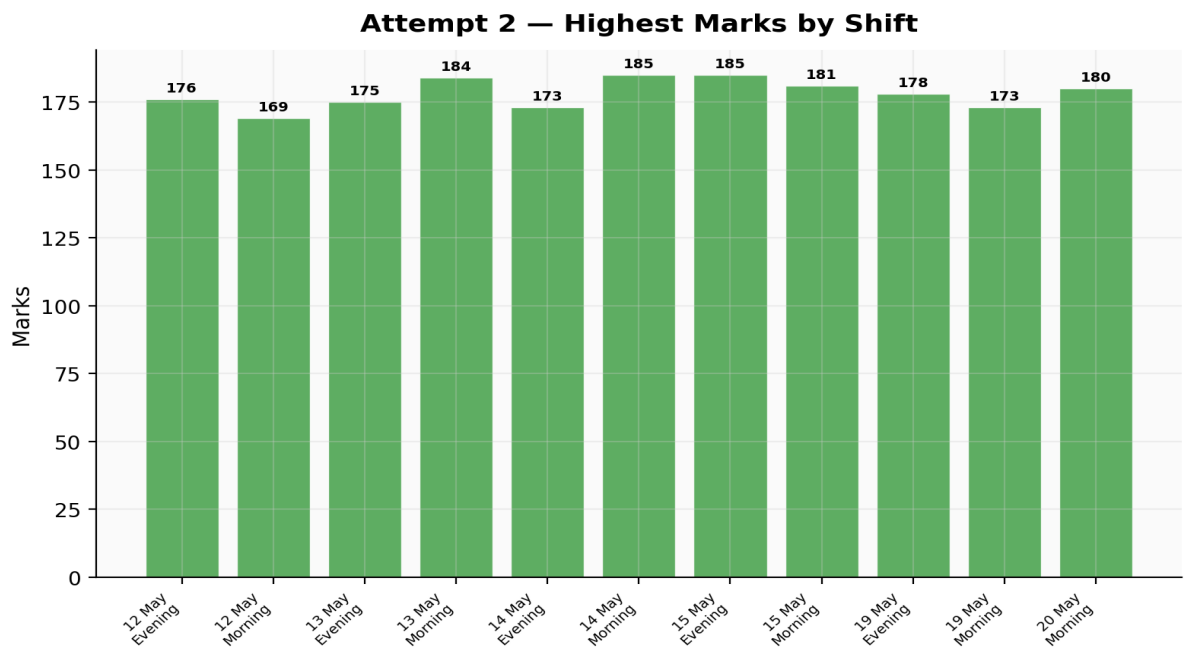
20 May - Morning: Mean=84.19, Median=79.0, Skew=0.852, N=795

14. Visualizations — Attempt 2

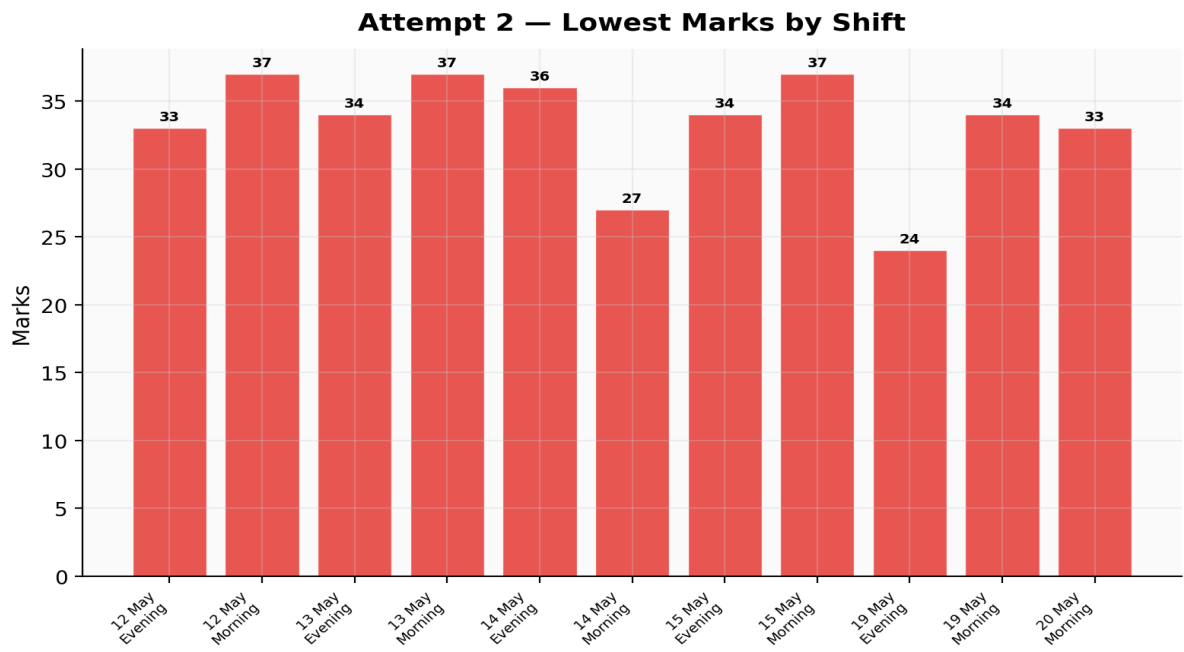




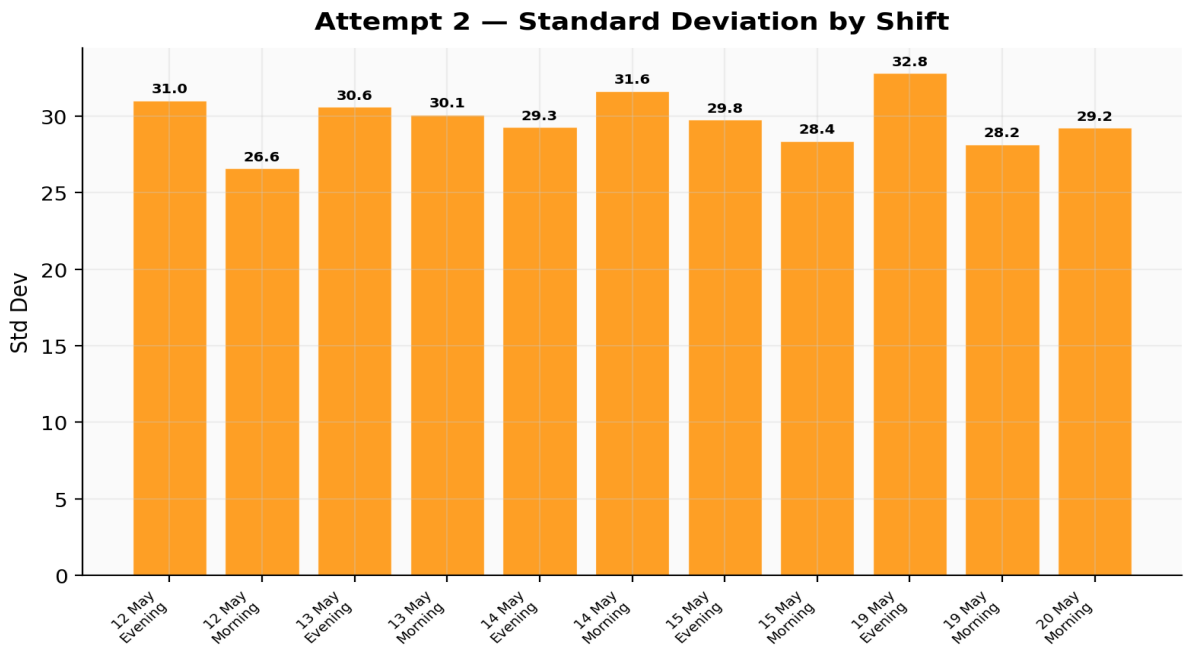
Student Count by Shift — Attempt 2



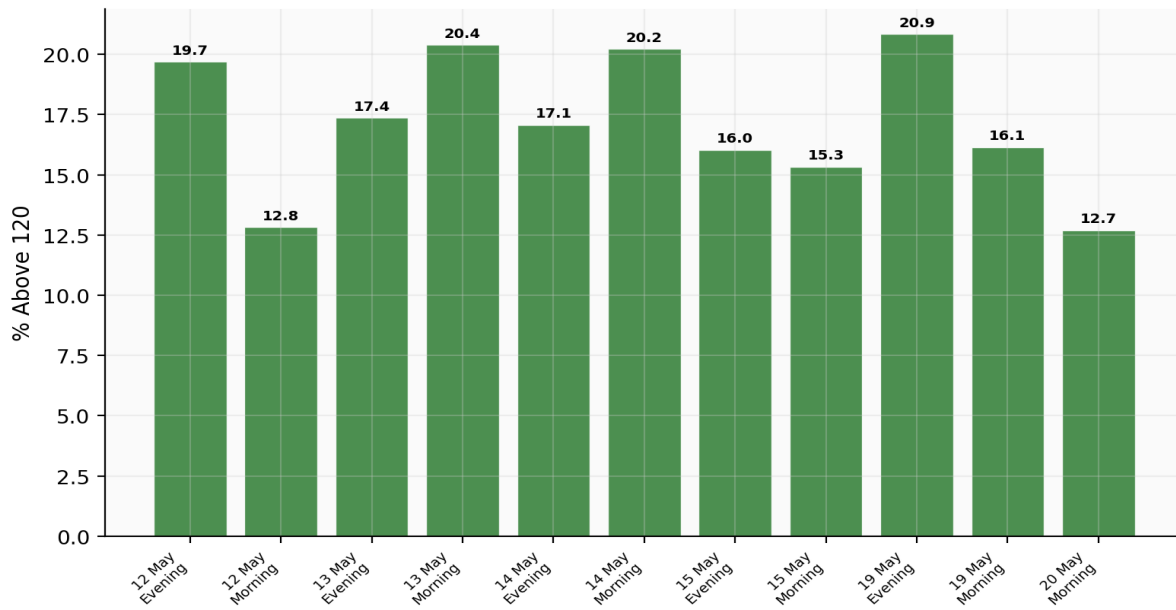
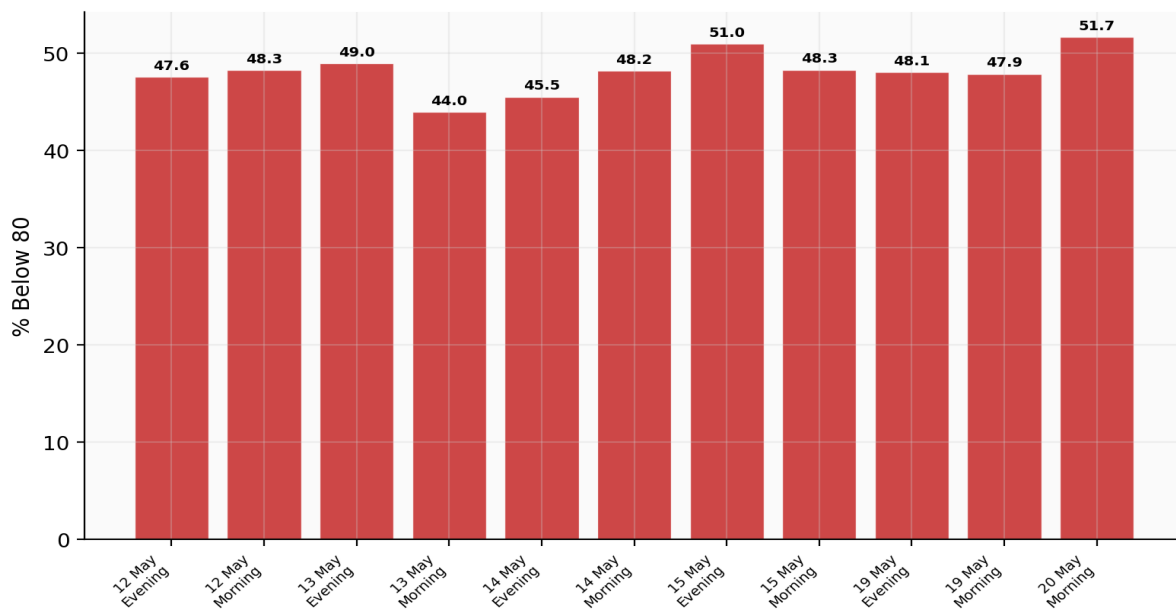
Highest Marks by Shift — Attempt 2

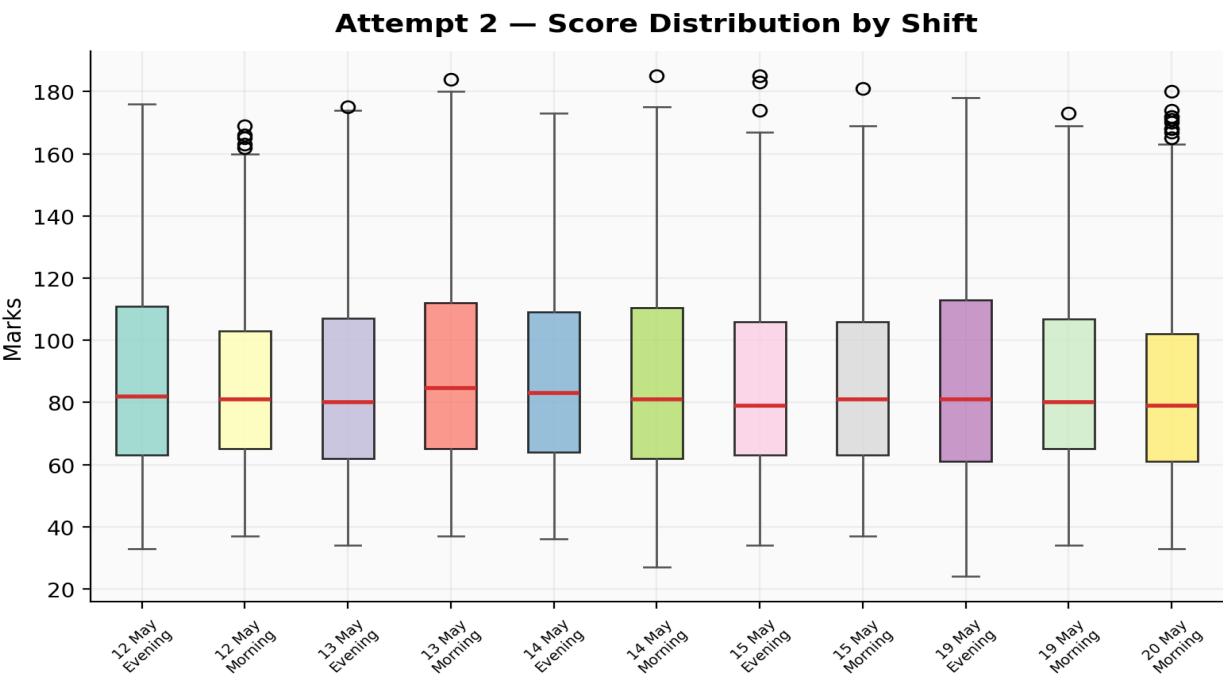


Lowest Marks by Shift — Attempt 2

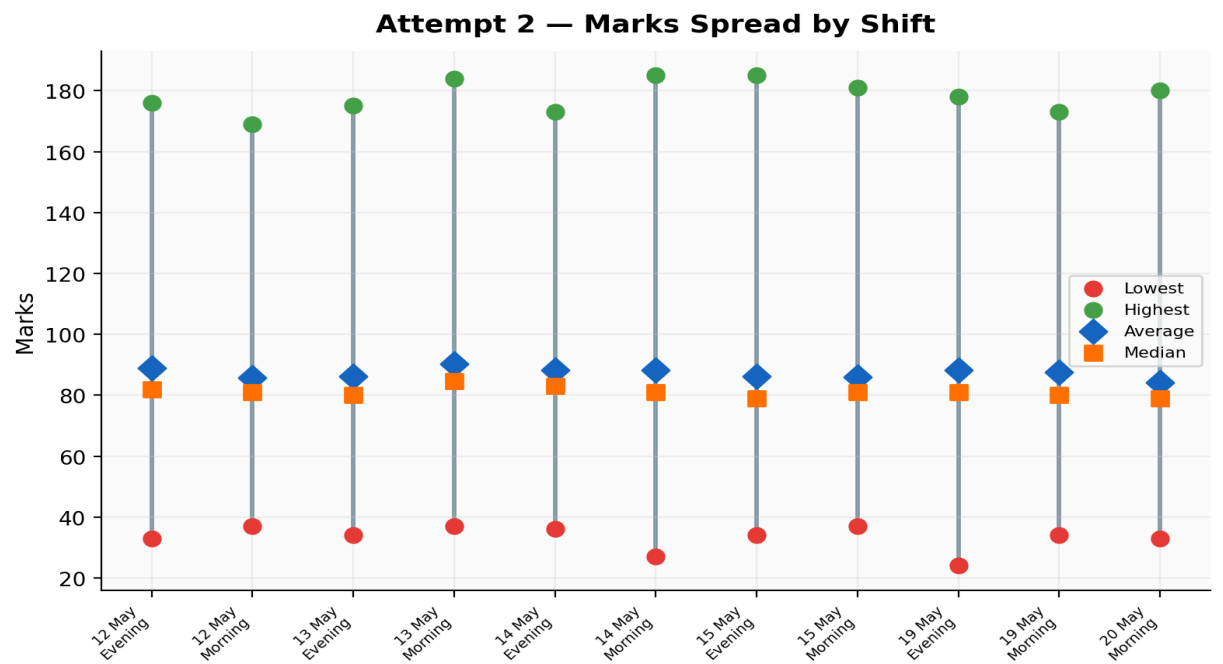


Standard Deviation by Shift — Attempt 2

Attempt 2 — % Above 120 Marks by Shift*% Above 120 Marks by Shift — Attempt 2***Attempt 2 — % Below 80 Marks by Shift***% Below 80 Marks by Shift — Attempt 2*



Box Plot — Attempt 2



Marks Spread — Attempt 2

15. Interesting Insights — Attempt 2

- **Outlier Shift:** 13 May - Morning average (90.39) is significantly above the Attempt 2 mean (87.27).
- **Outlier Shift:** 20 May - Morning average (84.19) is significantly below the Attempt 2 mean (87.27).
- **Unusual Distribution:** 20 May - Morning is strongly right-skewed (more low scorers) (skewness=0.852).
- **Methodology Agreement:** Both Score Based and Balanced rankings agree 20 May - Morning is the hardest shift.

16. Attempt 2 Conclusion

Attempt 2 covered 11 shifts with 8,550 total student records. The overall average was **87.3** with a median of **81.0**.

Score variability ($\sigma=29.94$) and IQR (45.0) indicate moderate spread across students.

The hardest shift by Score Based ranking is **20 May - Morning** (score 82.12); by Balanced ranking is **20 May - Morning** (score 100.0). The easiest by Score Based ranking is **13 May - Morning** (88.04); by Balanced ranking is **13 May - Morning** (1.48).

17.2% scored above 120 marks, while 48.1% scored below 80.

Cross-Attempt Comparison

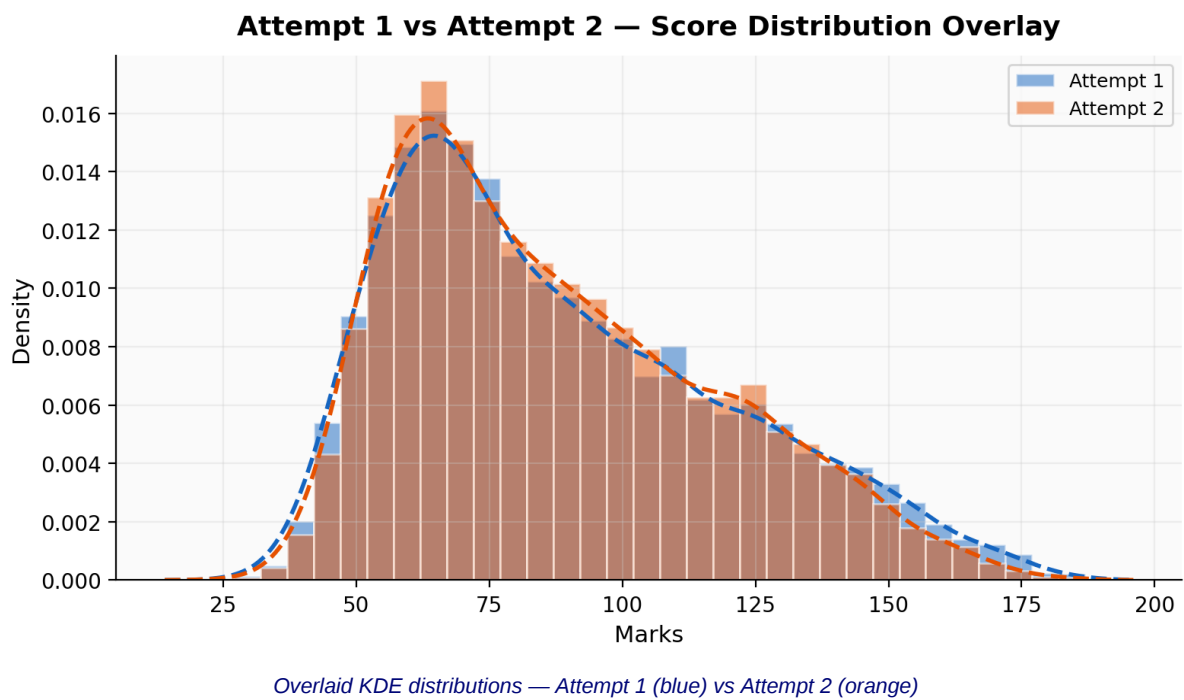
Attempt 1 vs Attempt 2 — Aggregate Level

17. Attempt 1 vs Attempt 2 Comparison

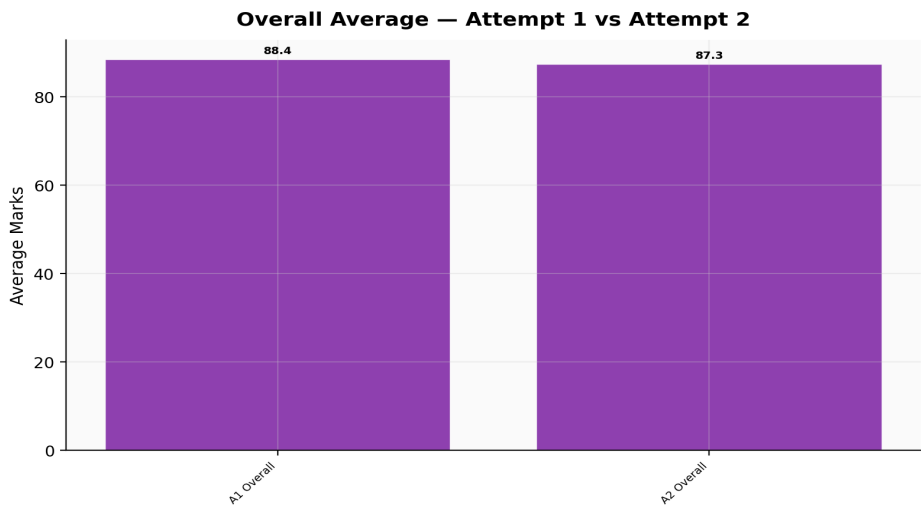
Summary Statistics Comparison

Metric	Attempt 1	Attempt 2	Difference
Total Students	8,284	8,550	-266
Total Shifts	16	11	+5
Average Marks	88.42	87.3	+1.12
Median Marks	81.0	81.0	0.0
Highest Marks	186	185	+1
Lowest Marks	27	24	+3
Std Deviation	31.7	29.94	+1.76
IQR	47.0	45.0	+2.00
Mode	64	63	+1
Skewness	0.668	0.64	+0.028
% Above 120	18.86%	17.24%	+1.62%
% Above 140	8.56%	6.61%	+1.95%
% Above 160	2.25%	1.42%	+0.83%
% Below 80	47.95%	48.13%	-0.18%
% Below 60	18.88%	19.09%	-0.21%

Score Distribution Comparison

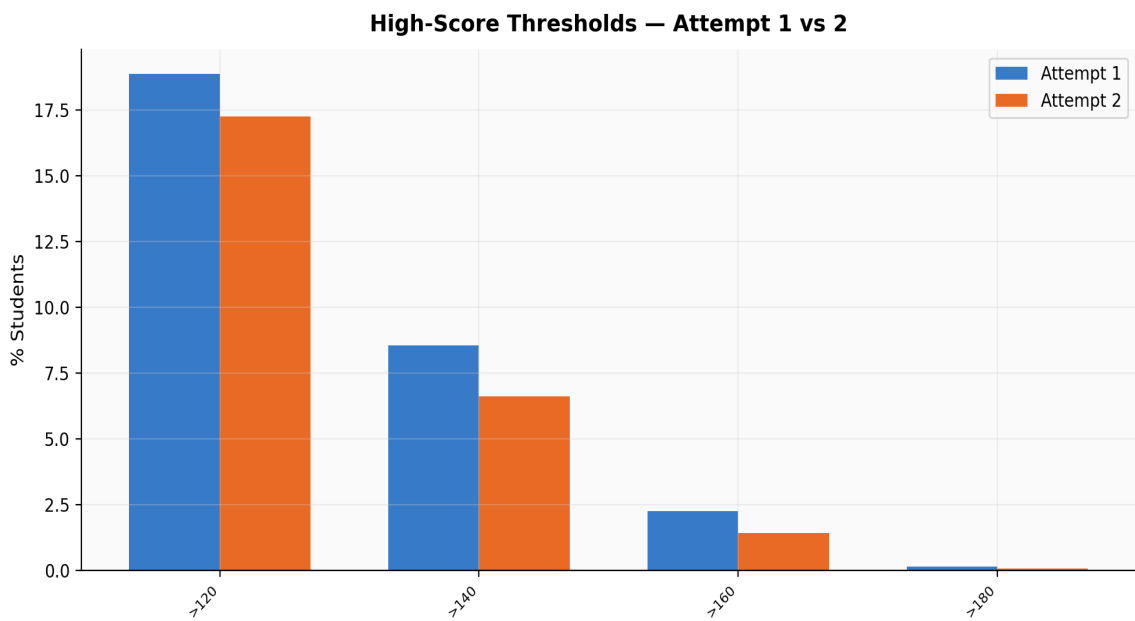


Average Marks Comparison



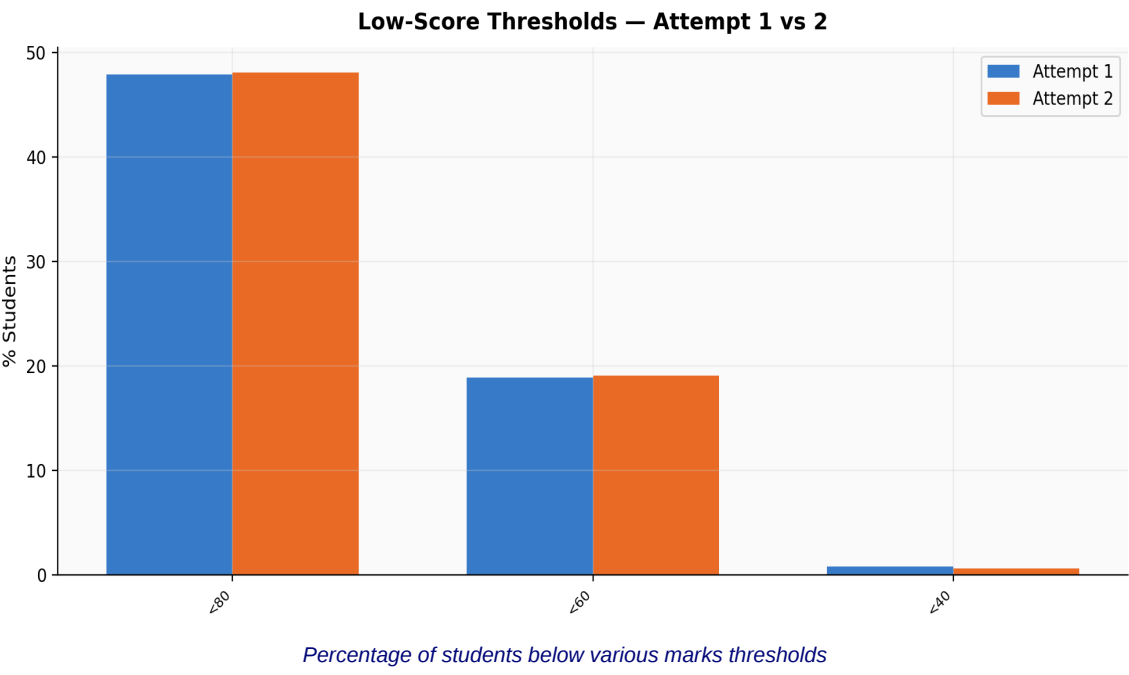
Overall average marks comparison

High-Score Percentage Comparison



Percentage of students above various marks thresholds

Low-Score Percentage Comparison



Key Comparison Highlights

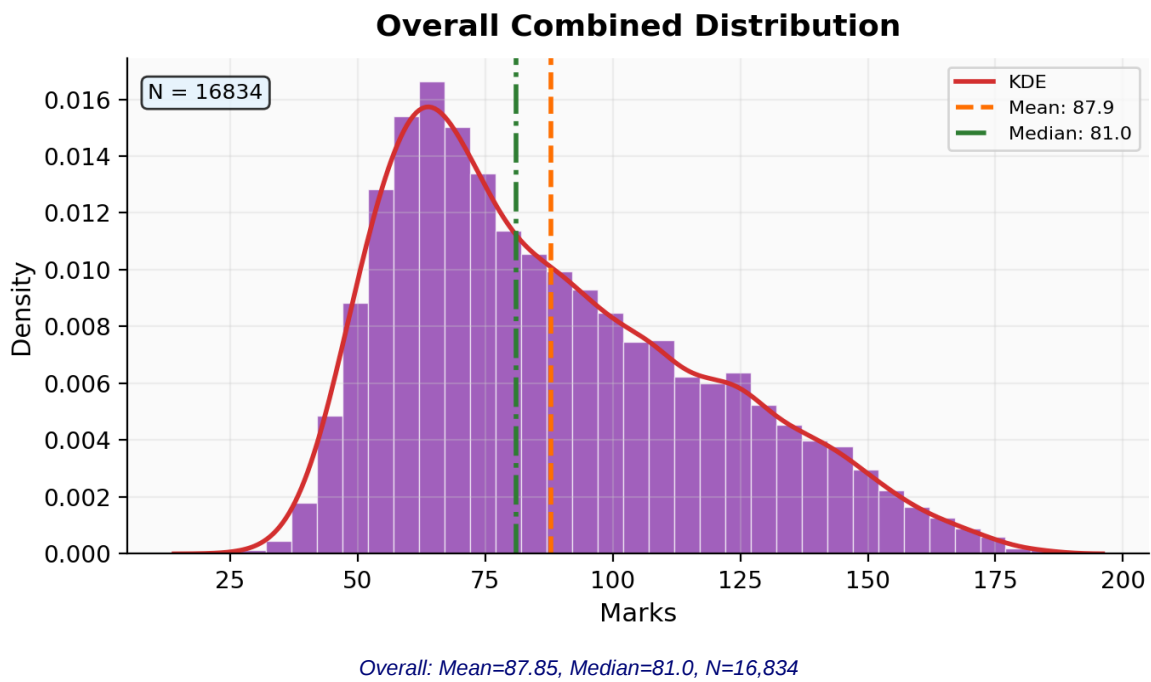
- **Average:** Attempt 1 (88.42) vs Attempt 2 (87.3). Difference: 1.12 marks.
- **Median:** Attempt 1 (81.0) vs Attempt 2 (81.0).
- **Score Range:** Attempt 1 (159) vs Attempt 2 (161).
- **High Scorers (>120):** 18.9% (A1) vs 17.2% (A2).
- **Low Scorers (<80):** 48.0% (A1) vs 48.1% (A2).
- **Variability:** $\sigma=31.7$ (A1) vs $\sigma=29.94$ (A2). Attempt 1 has wider spread.
- **Distribution Shape:** Skew=0.668 (A1) vs 0.64 (A2). Both show similar skew patterns.

Combined Dataset & Report Closure

18. Combined Dataset Overview

This section presents summary statistics for the combined dataset (Attempt 1 + Attempt 2). No difficulty rankings are generated from the combined dataset.

Metric	Value
Total Students	16,834
Highest Marks	186
Lowest Marks	24
Average Marks	87.85
Median Marks	81.0
Mode Marks	64
Standard Deviation	30.82
IQR	46.0
Skewness	0.659
Kurtosis	-0.366



19. Report Metadata

Property	Value
Report Generation Date	01 June 2026
Total Files Analyzed	8
Total Records	16,834
Total Shifts	27
Attempt 1 Shifts / Students	16 / 8,284
Attempt 2 Shifts / Students	11 / 8,550
Coverage	Attempt 1 (April 2025), Attempt 2 (May 2025)
Stream	PCM
Source	CETLens (https://cet-lens.vercel.app)
Analysis Type	Marks-based statistical analysis

20. Conclusion

This report analyzed 16,834 student records across 27 shifts spanning two CET attempts.

Attempt 1 (April 2025) had 8,284 students across 16 shifts with an average of 88.42 and median 81.0.

Attempt 2 (May 2025) had 8,550 students across 11 shifts with an average of 87.3 and median 81.0.

The 1.12-mark difference in averages suggests Attempt 1 was relatively easier or the student cohorts differed in preparation.

Difficulty rankings were generated independently for each attempt using two methodologies. The multi-factor method provides more nuanced rankings by incorporating score distribution thresholds.

The combined dataset median (81.0) and average (87.85) reflect the overall examination landscape captured by CETLens.

21. Disclaimer

This report is generated using data available through CETLens (<https://cet-lens.vercel.app>). The analysis is based solely on the dataset available to CETLens and should not be interpreted as official MHT-CET statistics, results, rankings, or percentile information.

- This is NOT official MHT-CET data.
- No percentile analysis has been performed. No ranks or percentiles have been estimated.
- Focus is exclusively on marks-based statistical analysis.
- Difficulty rankings are generated separately per attempt and do not mix shifts across attempts.
- Student counts reflect CETLens dataset submissions, not the full examination population.
- This report should not be used for official admissions decisions.

Source: CETLens — <https://cet-lens.vercel.app>