ATECO Sector Analysis - Enhanced Statistical Report

Analysis Date: December 16, 2025
Dataset: Tidier_Dataset.csv (16 fields grouped by color)

Executive Summary with Statistical Insights

Statistical Metric	Value
Total Companies Analyzed	292
Total ATECO Sectors	13
Overall Completion Rate (2024)	11.5%
Companies with Any Data (2024)	39.7%
Companies with Full 16 Fields (2024)	0.0%
Average Fields per Company (2024)	1.84
Median Fields per Company (2024)	0.0
Standard Deviation (2024)	2.79
Overall Trend 2022-2024	+2.9%
Engagement Growth 2022-2024	-6.8%
High Performing Sectors (>40%)	0
Medium Performing Sectors (20-40%)	0
Low Performing Sectors (<20%)	13

1. Statistical Distribution Analysis

This section shows how many companies completed different numbers of fields (0-16).

Fields	Companies (2022)	%	Companies (2023)	%	Companies (2024)	%
0	156	53.4%	150	51.4%	176	60.3%
1-5	129	44.2%	133	45.5%	81	27.7%
6-10	7	2.4%	9	3.1%	31	10.6%
11-15	0	0.0%	0	0.0%	4	1.4%
16	0	0.0%	0	0.0%	0	0.0%

Key Points:

- Most common: 0 fields completed (most frequent value)
- 25% of companies complete ≤0.0 fields
- 50% of companies complete ≤0.0 fields (median)
- 75% of companies complete ≤3.0 fields

2. Absolute Value Charts by Year

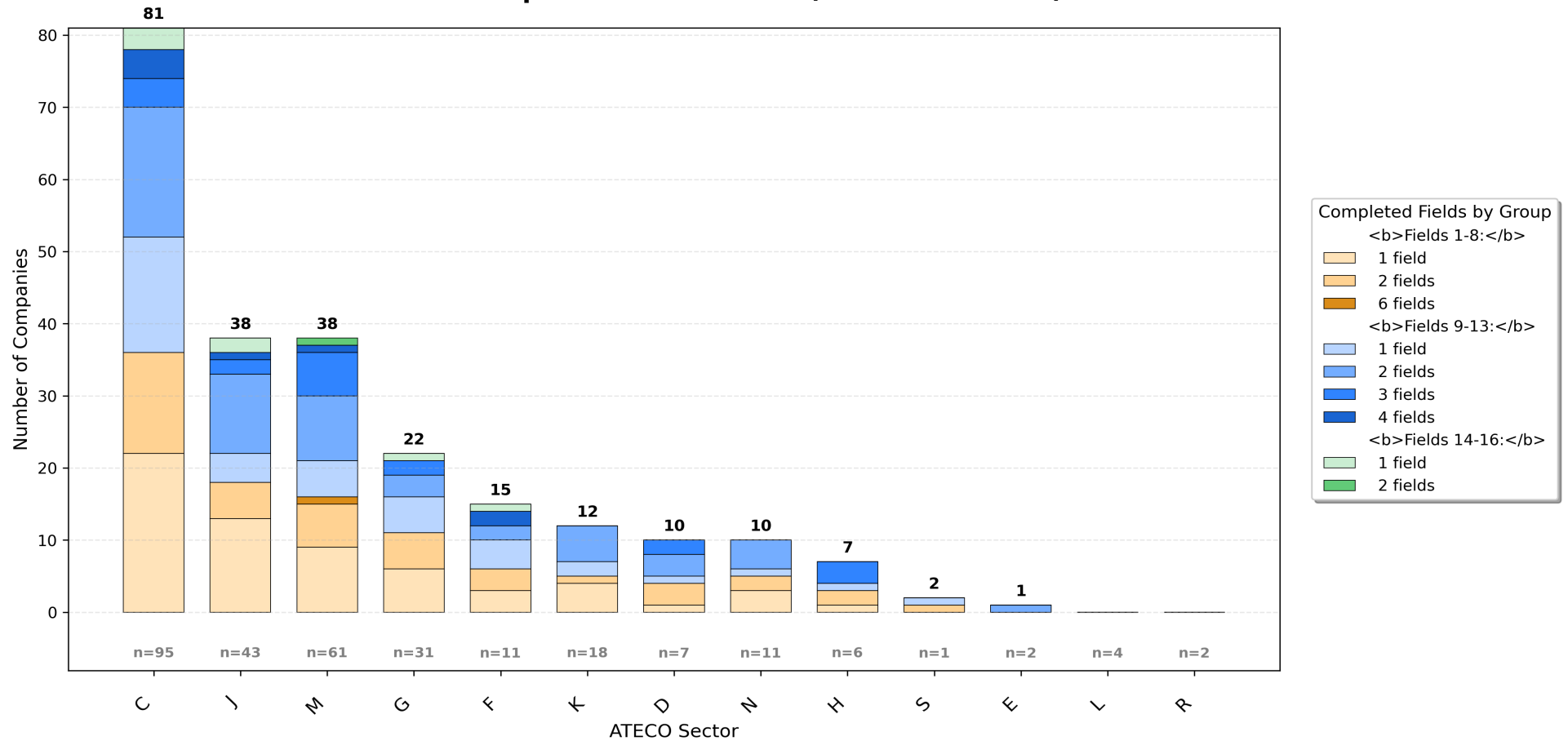Each bar shows the number of companies with completed fields in each sector. Sorted by total count (descending).

How to read: Taller bars = more companies with completed fields

Color meaning: Different colors show different numbers of completed fields (see legend)

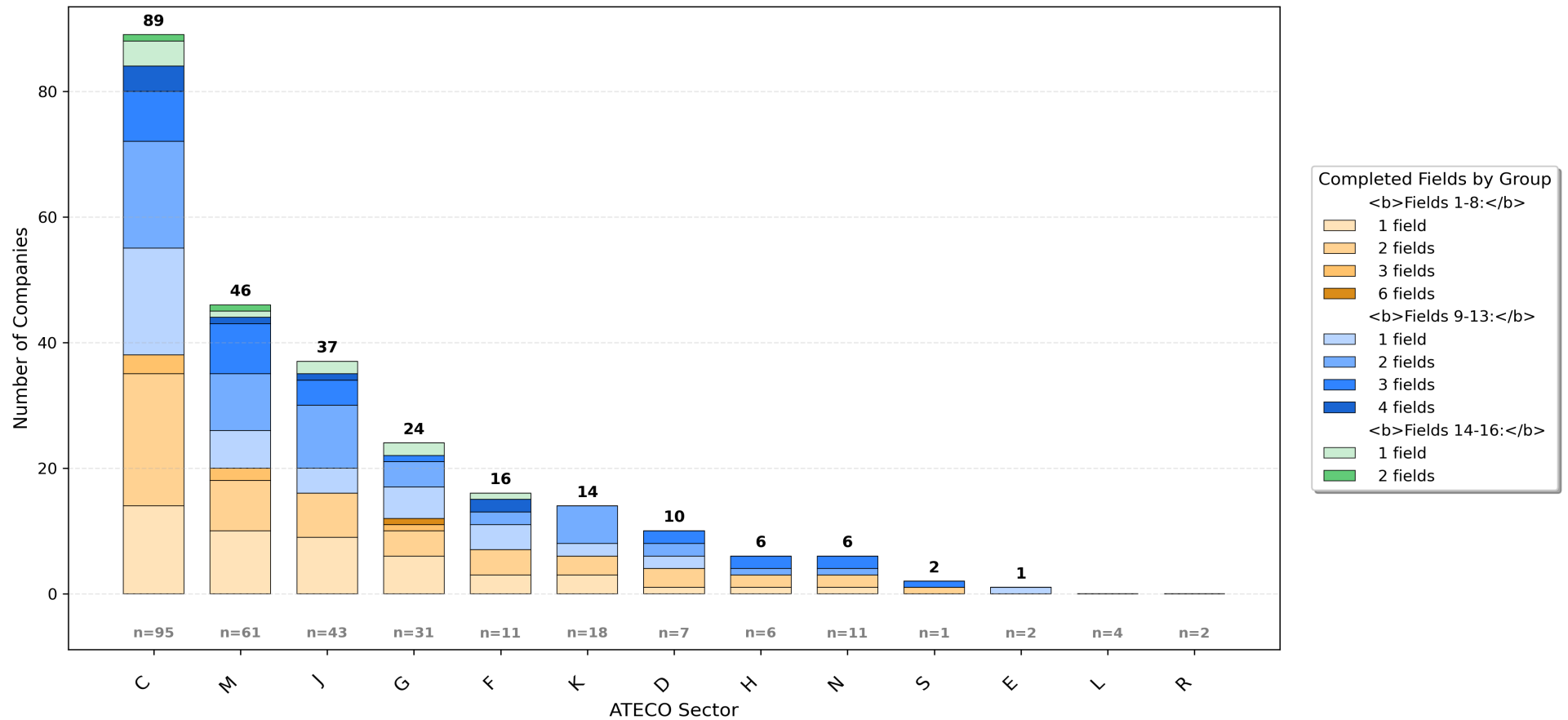**n=** shows total number of companies in that sector

2022 - Absolute Counts (Sorted by Total)

2022 - Field Completion Distribution (Absolute Counts)

Completed Fields by Group

Fields 1-8:
- 1 field
- 2 fields
- 6 fields

Fields 9-13:
- 1 field
- 2 fields
- 3 fields
- 4 fields

Fields 14-16:
- 1 field
- 2 fields

Number of Companies (y-axis)

ATECO Sector (x-axis)

Bar totals: C = 81, J = 38, M = 38, G = 22, F = 15, K = 12, D = 10, N = 10, H = 7, S = 2, E = 1

Sample sizes: n=95, n=43, n=61, n=31, n=11, n=18, n=7, n=11, n=6, n=1, n=2, n=4, n=2

2023 - Absolute Counts (Sorted by Total)

2023 - Field Completion Distribution (Absolute Counts)

Number of Companies

Legend — Completed Fields by Group
Fields 1-8:
- 1 field
- 2 fields
- 3 fields
- 6 fields

Fields 9-13:
- 1 field
- 2 fields
- 3 fields
- 4 fields

Fields 14-16:
- 1 field
- 2 fields

Bar values (by ATECO Sector):
- C: 89 (n=95)
- M: 46 (n=61)
- J: 37 (n=43)
- G: 24 (n=31)
- F: 16 (n=11)
- K: 14 (n=18)
- D: 10 (n=7)
- H: 6 (n=6)
- N: 6 (n=11)
- S: 2 (n=1)
- E: 1 (n=2)
- L: (n=4)
- R: (n=2)

ATECO Sector

2024 - Absolute Counts (Sorted by Total)

2024 - Field Completion Distribution (Absolute Counts)

Completed Fields by Group

Fields 1-8:
- 1 field
- 2 fields
- 3 fields
- 4 fields
- 5 fields
- 6 fields

Fields 9-13:
- 1 field
- 2 fields
- 3 fields
- 4 fields
- 5 fields

Fields 14-16:
- 1 field
- 2 fields
- 3 fields

Number of Companies

ATECO Sector

Sector	C	M	J	G	D	K	H	F	N	R	E	L	S
Total	89	56	35	15	11	10	9	8	7	3	1		
n	n=95	n=61	n=43	n=31	n=7	n=18	n=6	n=11	n=11	n=2	n=2	n=4	n=1

3. Percentage Charts by Year

Each bar shows what percentage of the total possible fields were completed in each sector. Sorted by percentage (descending).

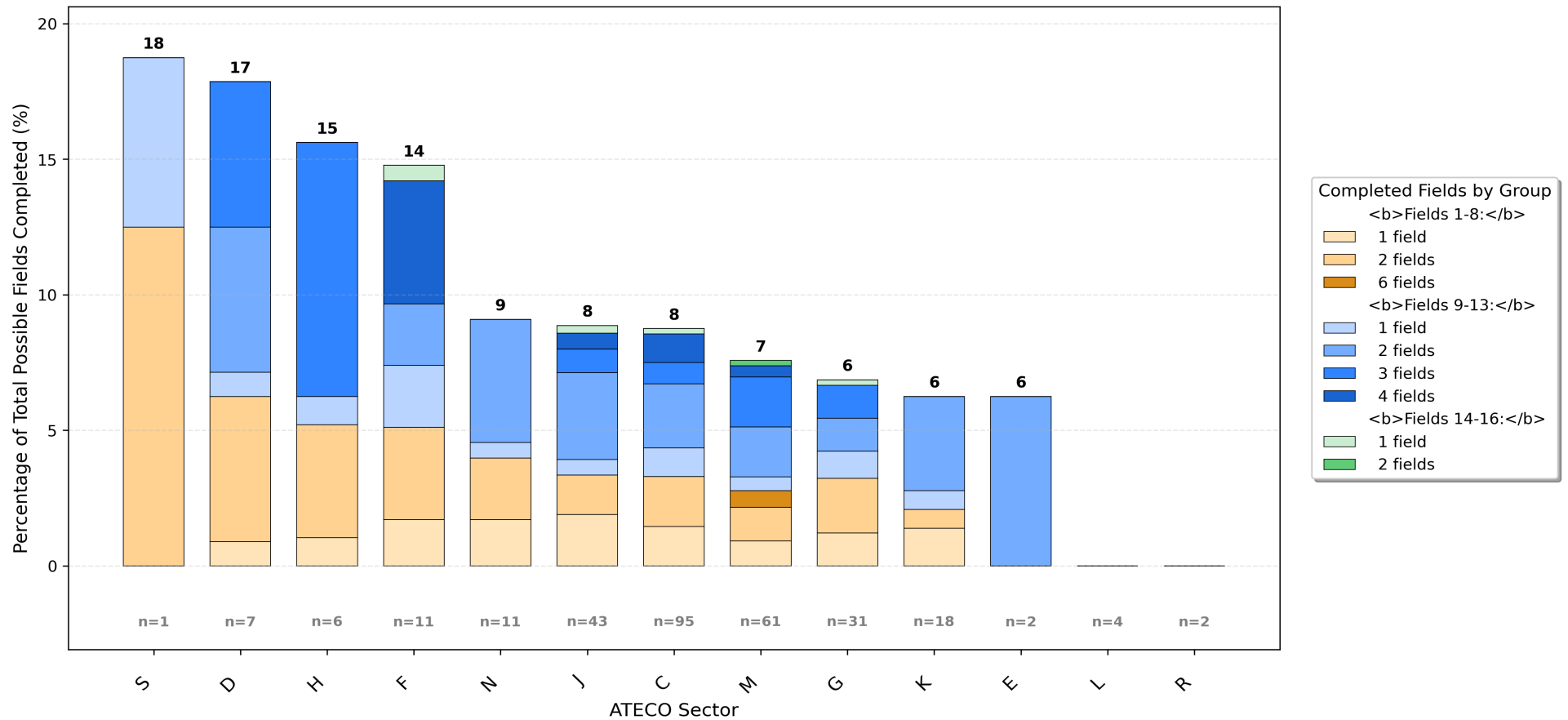**How to read:** Taller bars = higher percentage of fields completed

Note: 100% would mean ALL companies completed ALL 16 fields

Color meaning: Same as absolute charts (see legend)

n= shows total number of companies in that sector
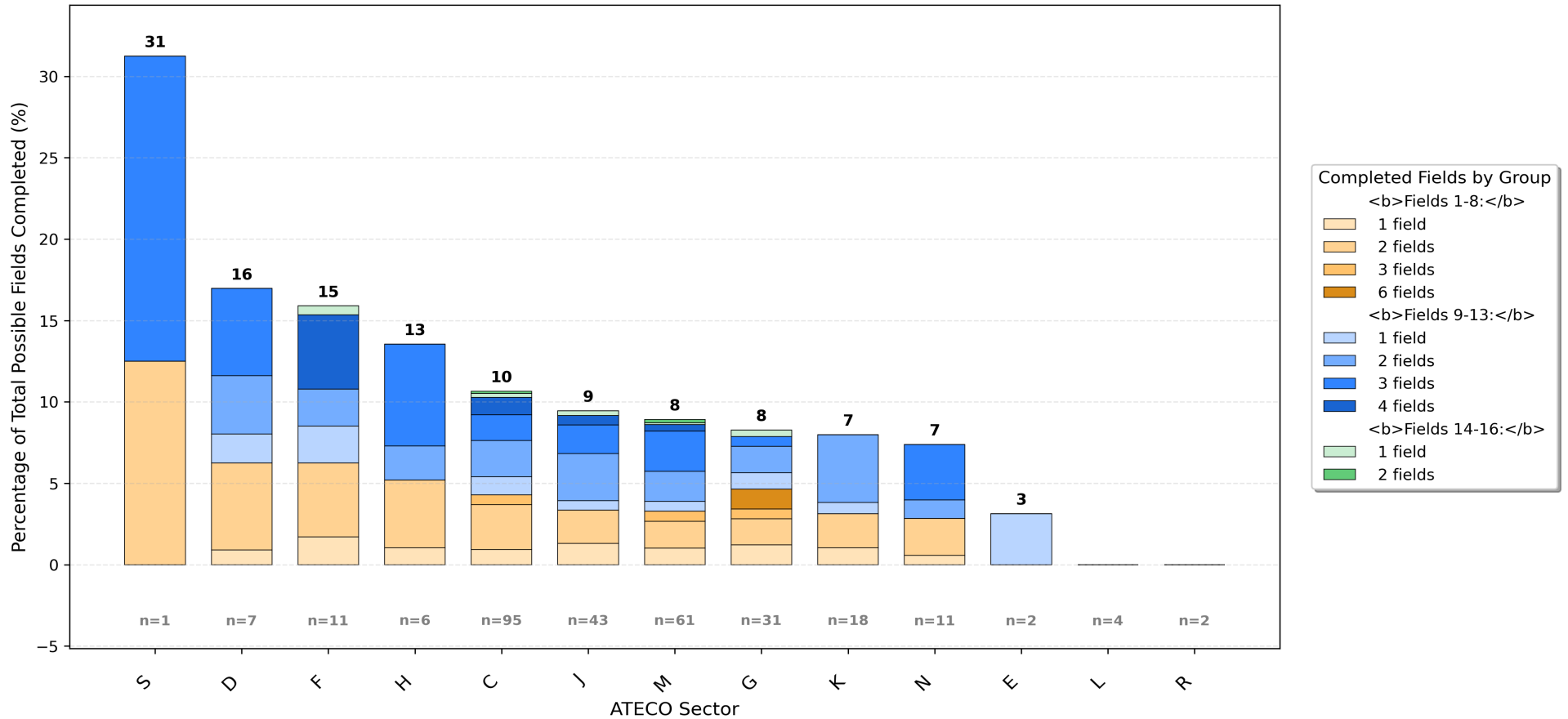
2022 - Percentage Distribution (Sorted by %)

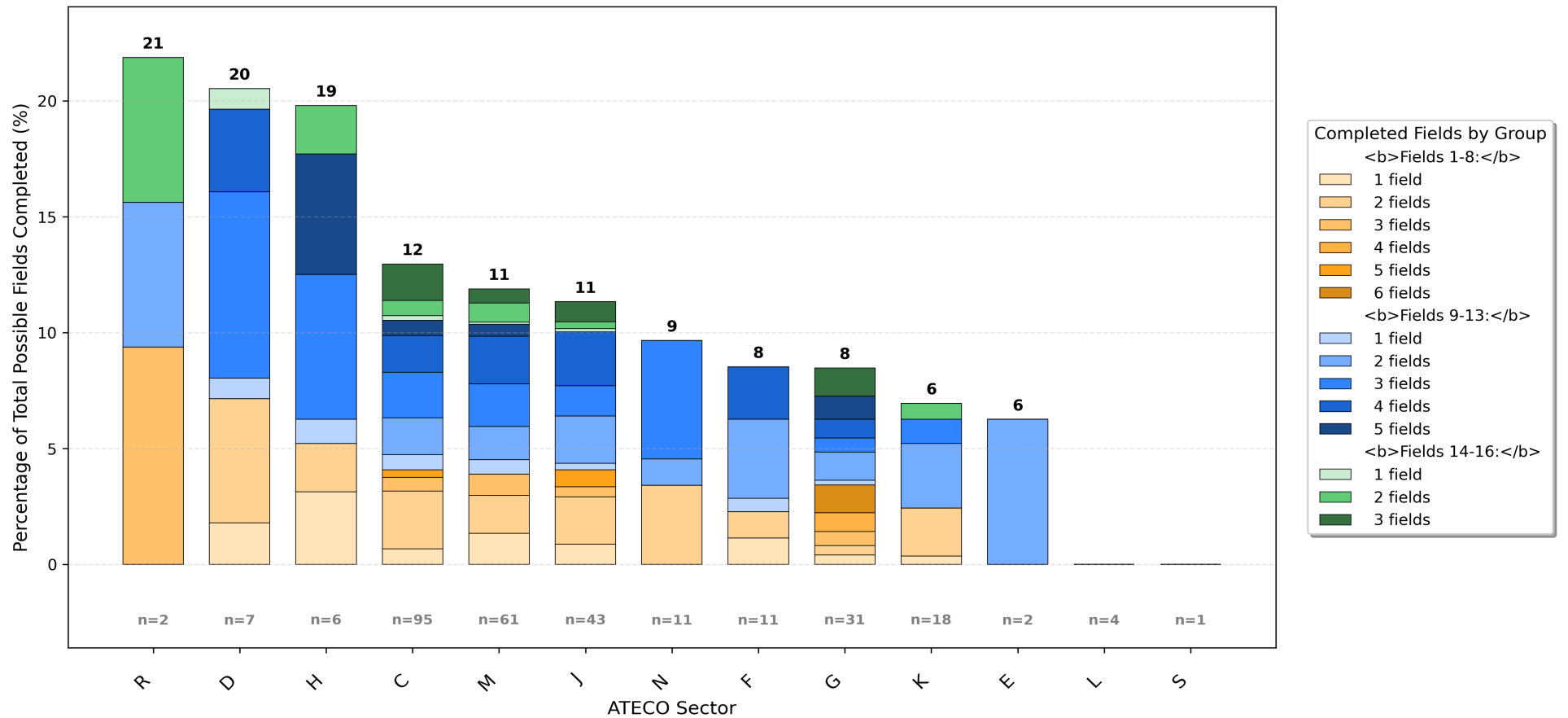**2022 - Percentage of Total Fields Completed (Stratified)**

2023 - Percentage Distribution (Sorted by %)

2023 - Percentage of Total Fields Completed (Stratified)

Percentage of Total Possible Fields Completed (%)

ATECO Sector

Bar values (left to right): 31, 16, 15, 13, 10, 9, 8, 8, 7, 7, 3

n-values: n=1, n=7, n=11, n=6, n=95, n=43, n=61, n=31, n=18, n=11, n=2, n=4, n=2

Sectors: S, D, F, H, C, J, M, G, K, N, E, L, R

Completed Fields by Group
Fields 1-8:
1 field
2 fields
3 fields
6 fields
Fields 9-13:
1 field
2 fields
3 fields
4 fields
Fields 14-16:
1 field
2 fields

2024 - Percentage Distribution (Sorted by %)

2024 - Percentage of Total Fields Completed (Stratified)

Percentage of Total Possible Fields Completed (%)

ATECO Sector

Completed Fields by Group
Fields 1-8:
1 field
2 fields
3 fields
4 fields
5 fields
6 fields
Fields 9-13:
1 field
2 fields
3 fields
4 fields
5 fields
Fields 14-16:
1 field
2 fields
3 fields

4. Sector Performance Classification

Note: Classification based on average performance across 2022-2024

No high performing sectors found

No medium performing sectors found

Low Performers (<20% overall completion): 13 sectors

These sectors completed the lowest percentage of fields:

- D: 18.5% avg completion, 7 companies, Trend (2022-2024): +2.7%
- S: 16.7% avg completion, 1 companies, Trend (2022-2024): -18.8%
- H: 16.3% avg completion, 6 companies, Trend (2022-2024): +4.2%
- F: 13.1% avg completion, 11 companies, Trend (2022-2024): -6.3%
- C: 10.8% avg completion, 95 companies, Trend (2022-2024): +4.2%
- J: 9.9% avg completion, 43 companies, Trend (2022-2024): +2.5%
- M: 9.5% avg completion, 61 companies, Trend (2022-2024): +4.3%
- N: 8.7% avg completion, 11 companies, Trend (2022-2024): +0.6%
- G: 7.9% avg completion, 31 companies, Trend (2022-2024): +1.6%
- R: 7.3% avg completion, 2 companies, Trend (2022-2024): +21.9%
- K: 7.1% avg completion, 18 companies, Trend (2022-2024): +0.7%
- E: 5.2% avg completion, 2 companies, Trend (2022-2024): +0.0%
- L: 0.0% avg completion, 4 companies, Trend (2022-2024): +0.0%

5. Performance Summary Table (2024)

All sectors sorted by overall completion percentage in 2024 (descending)

Column Explanations:

- **Sector:** ATECO sector letter
- **Total Cos:** Total number of companies in the sector
- **2024: Overall %:** Percentage of all possible fields completed in 2024
- **2024: Avg Fields:** Average number of fields completed per company in 2024
- **2024: % Any:** Percentage of companies with at least 1 completed field in 2024
- **Trend 22-24:** Change in overall completion from 2022 to 2024 (positive = improvement)

Sector	Total Cos	2024: Overall %	2024: Avg Fields	2024: % Any	Trend 22-24
R	2	21.9	3.5	50.0	21.9
D	7	20.5	3.3	71.4	2.7
H	6	19.8	3.2	66.7	4.2
C	95	13.0	2.1	43.2	4.2
M	61	11.9	1.9	44.3	4.3
J	43	11.3	1.8	37.2	2.5
N	11	9.7	1.5	36.4	0.6
F	11	8.5	1.4	45.5	-6.3
G	31	8.5	1.4	22.6	1.6
K	18	6.9	1.1	27.8	0.7
E	2	6.2	1.0	50.0	0.0
L	4	0.0	0.0	0.0	0.0
S	1	0.0	0.0	0.0	-18.8

6. Overall Engagement Trends (All Sectors Combined)

This table shows how overall completion has changed from 2022 to 2024:

Year	Overall Completion %	Companies with Any Data %	Avg Fields/Company	Trend
2022	8.6%	46.6%	1.38	-
2023	9.8%	48.6%	1.57	+1.2%
2024	11.5%	39.7%	1.84	+1.7%
Overall Trend (2022-2024)	**+2.9%**	**-6.8%**	**+0.46**	**+2.9%**

Trend Interpretation:

✓ Overall completion increased by 2.9% from 2022 to 2024

✗ Fewer companies now have any data (-6.8%)

7. Key Findings and Simple Insights

1. **Overall Performance:** In 2024, companies completed 11.5% of all possible fields.
2. **Company Participation:** 39.7% of companies completed at least 1 field in 2024.
3. **Full Compliance:** Only 0.0% of companies completed all 16 fields in 2024.
4. **Average Completion:** Each company completed an average of 1.8 fields in 2024.
5. **Most Common:** The most common number of completed fields is 0.
6. **Yearly Growth:** From 2022 to 2024, completion increased by +2.9%.
7. **Best Performing Sectors:** 0 sectors consistently completed >40% of fields.
8. **Areas for Improvement:** 13 sectors completed <20% of fields.

Suggested Focus Areas:

1. Target sectors with completion rates below 20% for additional support
2. Focus on sectors that are declining (negative trend) to prevent further drops
3. Learn from high-performing sectors (>40% completion) to replicate their success
4. Use the detailed charts to identify which specific fields need most attention
5. Monitor small sectors with few companies - they may need different approaches
6. Check the 'Percentage Charts' to see which sectors are performing best proportionally
7. Use the 'Absolute Charts' to see which sectors have the most companies needing support

Report generated on December 16, 2025 at 23:16:44