

# 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  $\leq 0.0$  fields
- 50% of companies complete  $\leq 0.0$  fields (median)
- 75% of companies complete  $\leq 3.0$  fields

## 2. Absolute Value Charts by Year

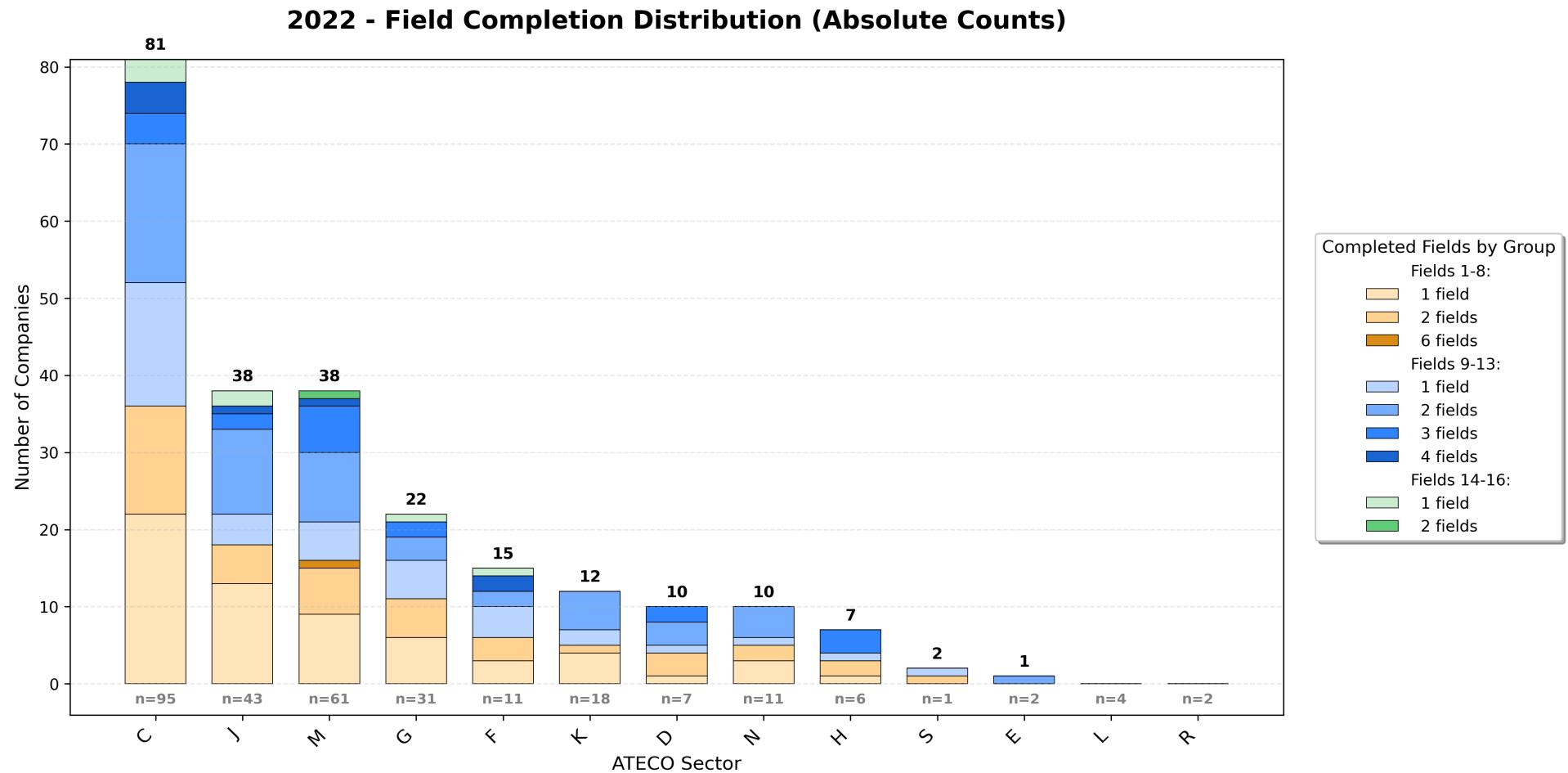
Each bar shows the number of companies with completed fields in each sector. Sorted by total count (descending).

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

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

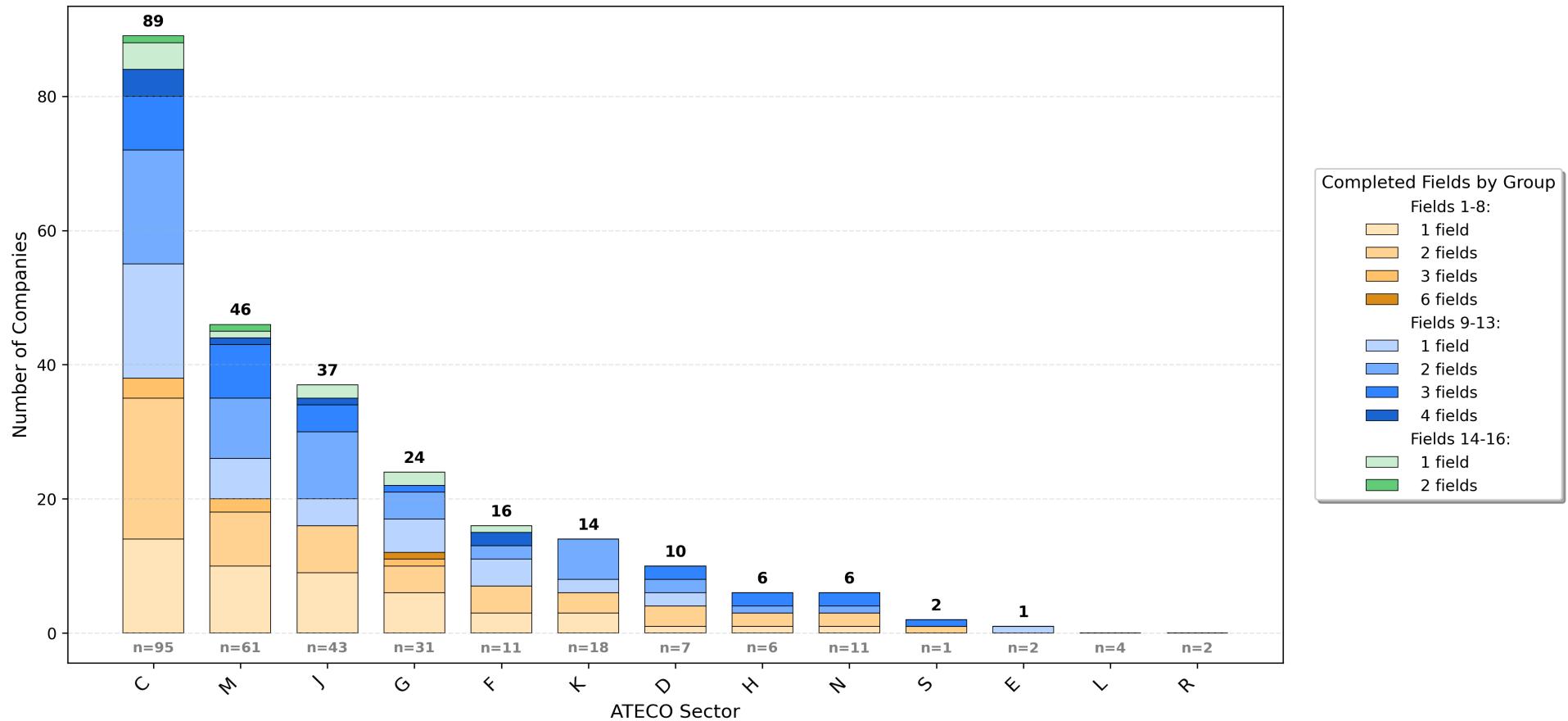
n= shows total number of companies in that sector

## 2022 - Absolute Counts (Sorted by Total)



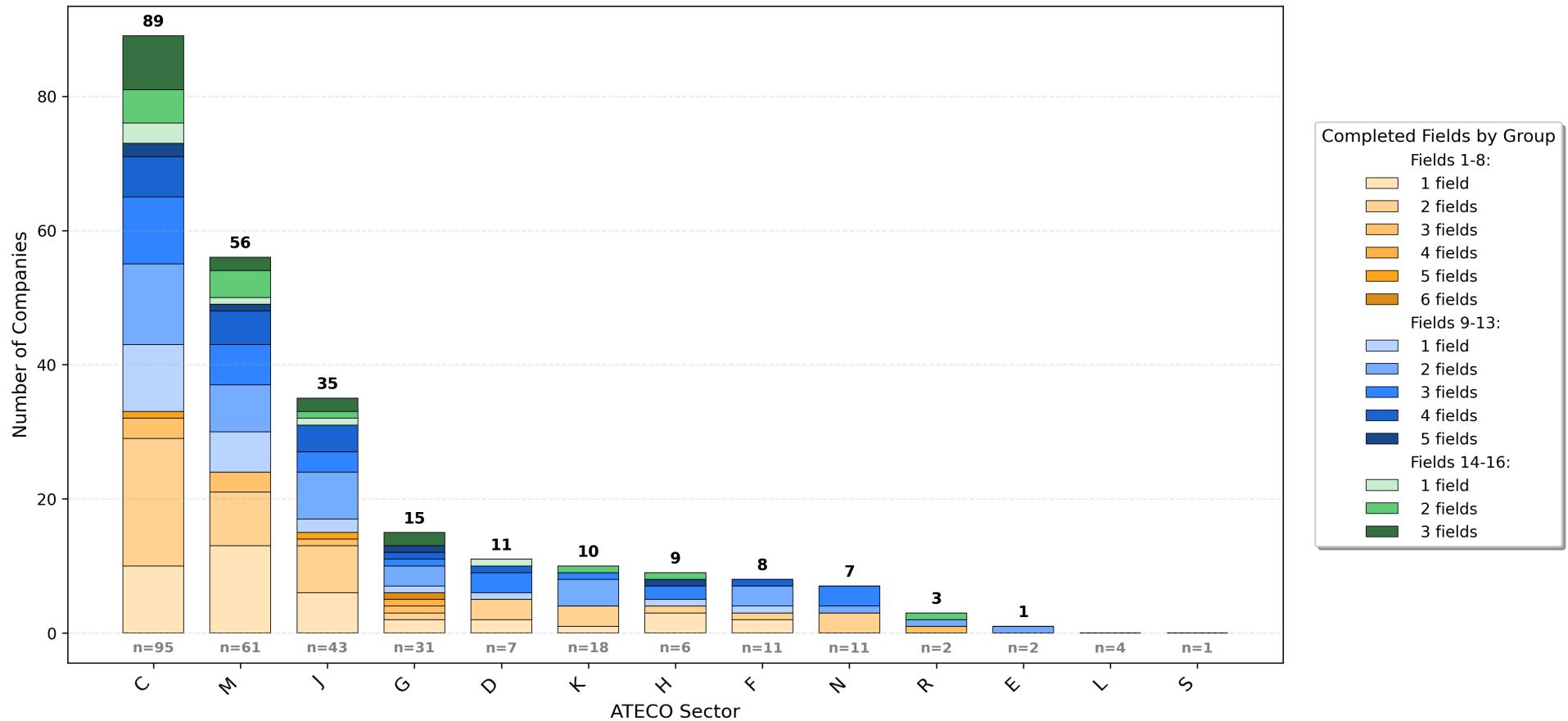
## 2023 - Absolute Counts (Sorted by Total)

### 2023 - Field Completion Distribution (Absolute Counts)



## 2024 - Absolute Counts (Sorted by Total)

### 2024 - Field Completion Distribution (Absolute Counts)



### 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

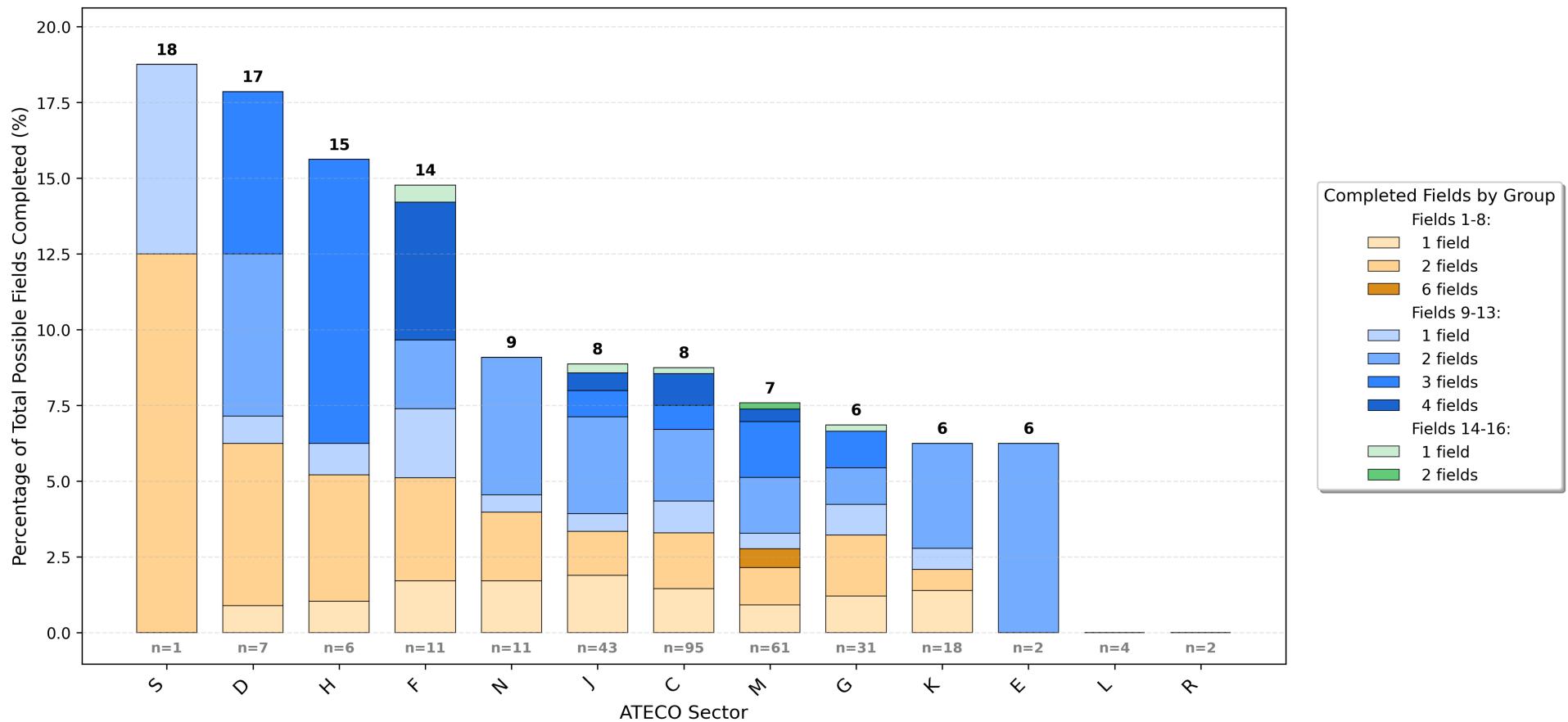
Note: 100% would mean ALL companies completed ALL 16 fields

Color meaning: Same as absolute charts (see legend)

n= shows total number of companies in that sector

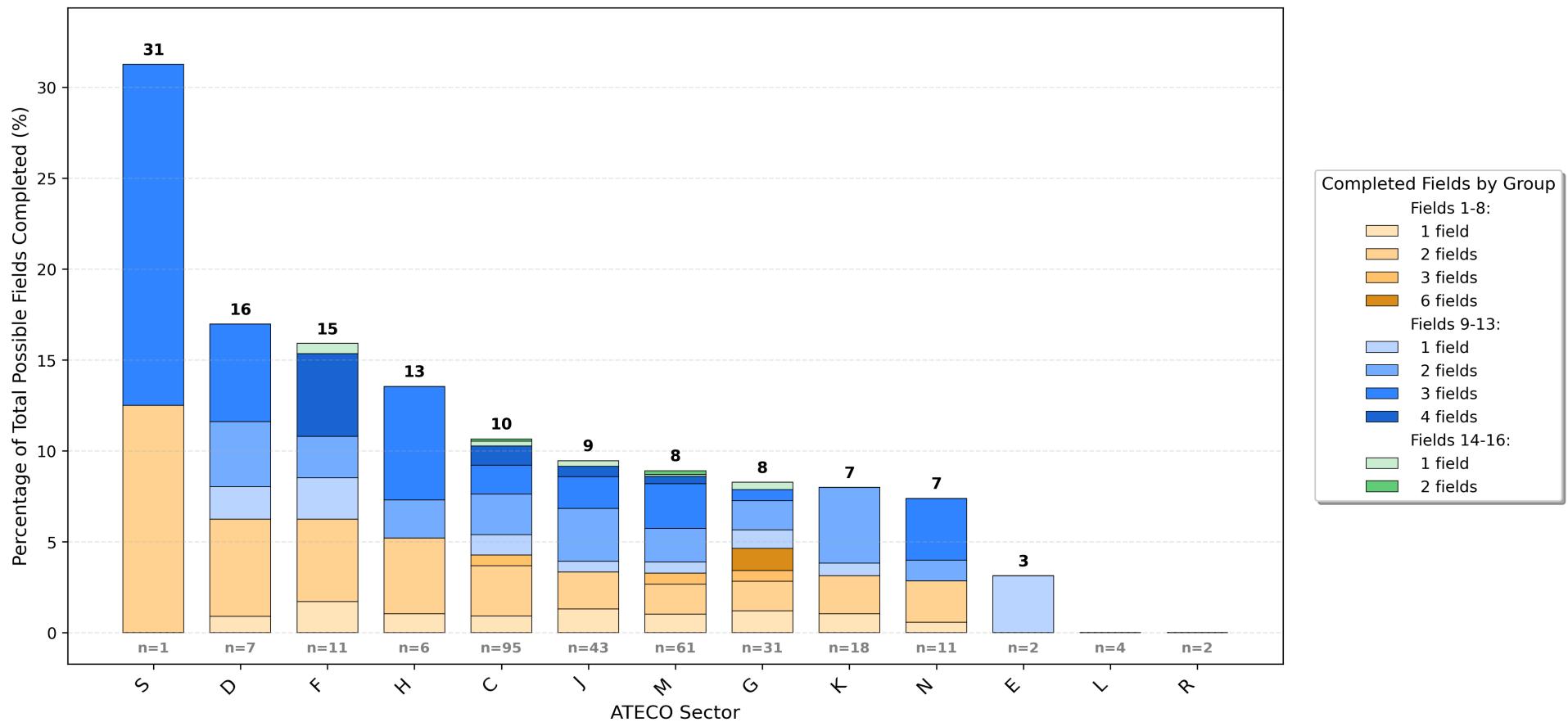
## 2022 - Percentage Distribution (Sorted by %)

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



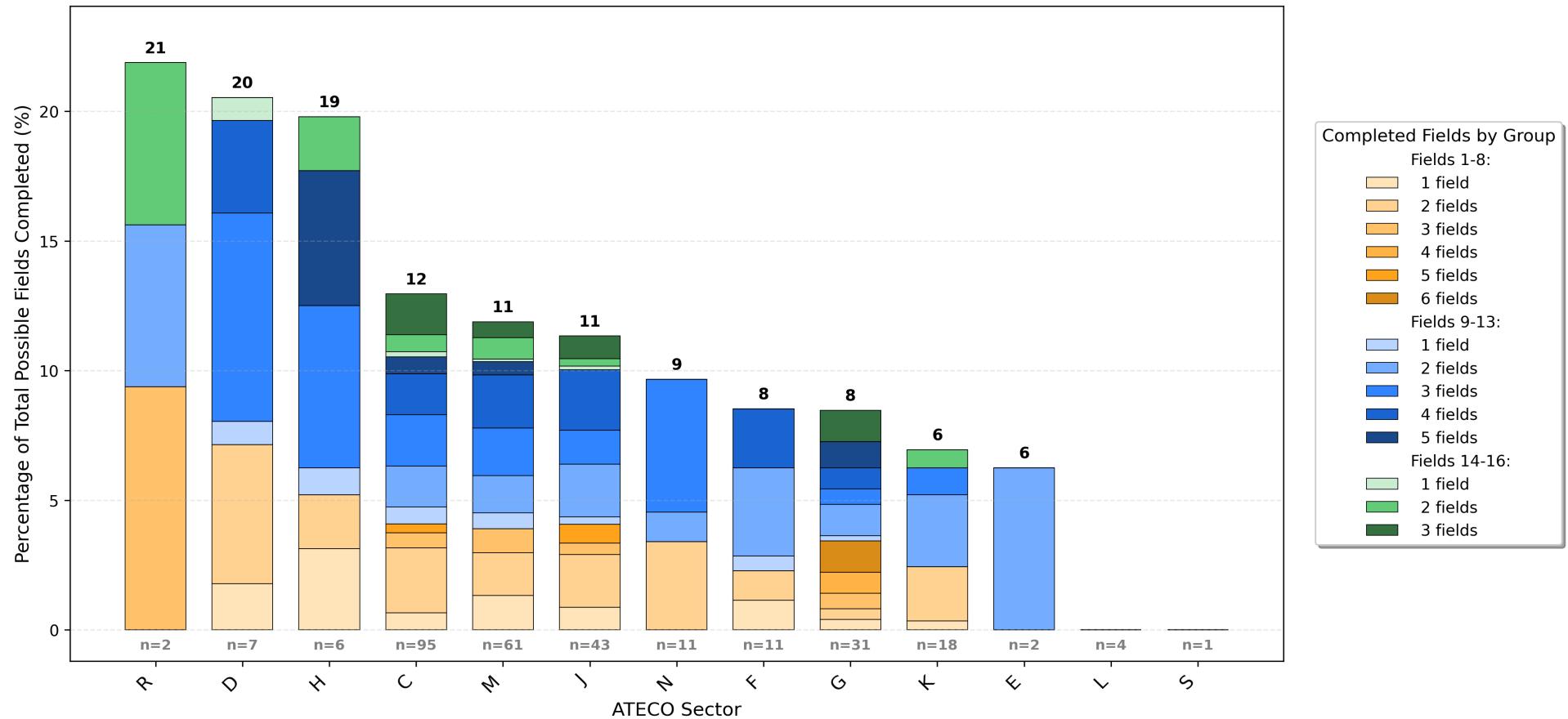
## 2023 - Percentage Distribution (Sorted by %)

### 2023 - Percentage of Total Fields Completed (Stratified)



## 2024 - Percentage Distribution (Sorted by %)

### 2024 - Percentage of Total Fields Completed (Stratified)



## 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%
<b>Overall Trend (2022-2024)</b>	<b>+2.9%</b>	<b>-6.8%</b>	<b>+0.46</b>	<b>+2.9%</b>

### 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.

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