



JOB In Analytics

ALY6000: Introduction to Analytics

Oct 17th, 2022
Heejae, Roh



INDEX

To Analysts

01 Sports
Analytics

02 Required
Skills

03 Data Analyst
Job Market

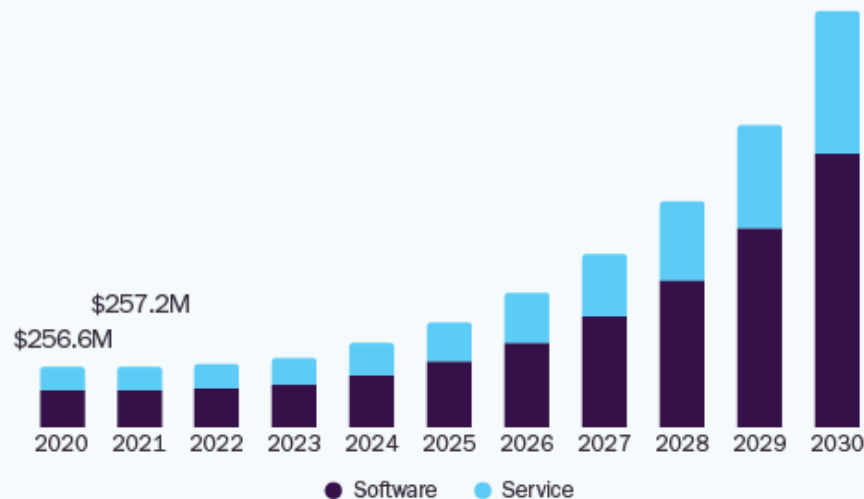
04 Key things
Conclusion

GROWING INDUSTRY

Sports Analytics

North America Sports Analytics Market

size, by component, 2020 - 2030 (USD Million)



26.9%

N. America Market CAGR,
2022 - 2030

Source:
www.grandviewresearch.com

- 46,700 Jobs
- Growth of 6% in next decades
- 2,800 more jobs in 2030



SPORTS ANALYTICS Requirements

R o l e & J o b F u n c t i o n

From 67 posting from 834 results in LinkedIn
17,726 words
From Responsibilities and Qualifications

01



D A T A

Insights from
analysis
With tools

02



RESEARCH

Consumer
Research
For support

03



BUSINESS

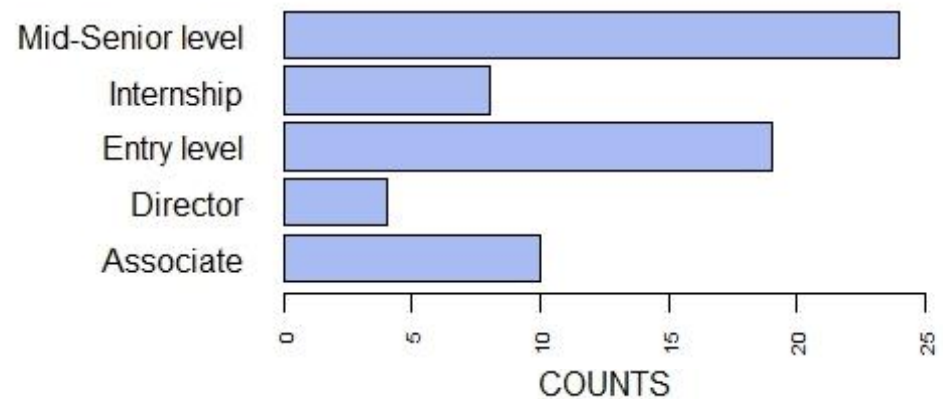
Intelligence
Quantitative
Field desired

Communication

Data Analysis

R Analysis with linkedIn data
67 data sources

Level of Sports Analyst



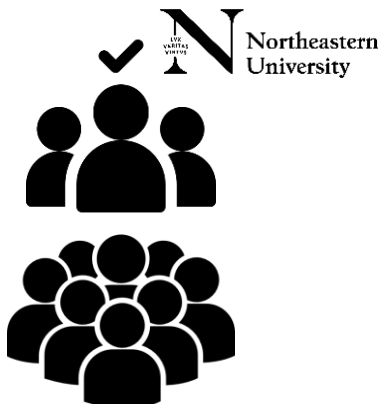
```
> sports2
```

	suitcase	suitcase2	scale	school.alumni	applicants	weeks.ago	region	avgscale	per.alumni	competition
1	internship	internship	201-500	1	55	3.0	San Antonio	451	0.22172949	18.33333333
2	Full-Time	Mid-Senior level	51-200	3	8	4.0	Atlanta	151	1.98675497	2.00000000
3	Full-Time	Associate	201-500	0	114	2.0	Texas	451	0.00000000	57.00000000
4	Full-Time	Mid-Senior level	1001-5000	12	300	2.0	New Jersey	3501	0.34275921	150.00000000
5	Full-Time	Entry level	1001-5000	10	152	2.0	New Jersey	3501	0.28563268	76.00000000
6	Full-Time	Associate	51-200	2	140	3.0	San Francisco	151	1.32450331	46.66666667
7	Full-Time	Mid-Senior level	1001-5000	23	194	6.0	New York	3501	0.65695516	32.33333333
8	Full-Time	Mid-Senior level	51-200	1	300	2.0	California	151	0.66225166	150.00000000
9	Full-Time	Mid-Senior level	51-200	1	168	3.0	San Francisco	151	0.66225166	56.00000000

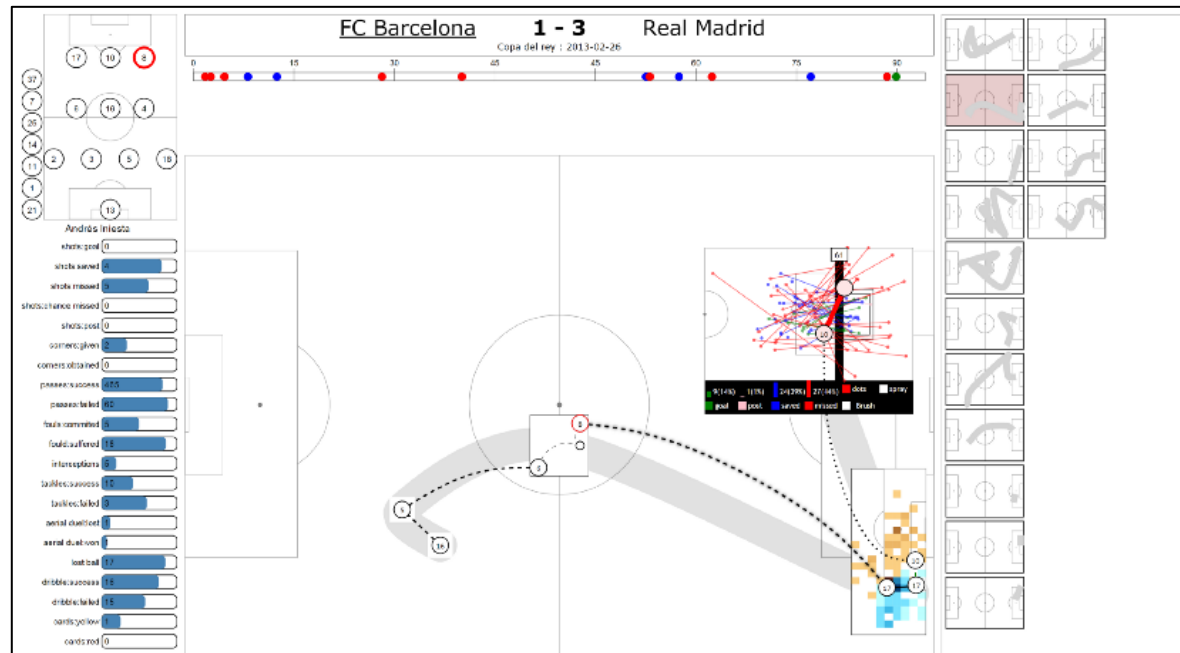
Formula

1. `Count(sports2, sports$suitcase2)`
2. `per.alumni= school.alumni / avgscale`
`avgscale= Min(Scale1) + Max(Scale2) / 2`
3. `competition= applicants / weeks.ago`

- Mean of Northeastern alumni: 0.95%
- Mean of once a week applicants: 73



Scholar Data Trend



Average \$61,145 / year

Implications for sporting organizations

- Maximise return by reducing data-related burden
- Foster interdepartmental integration

Implications for data scientists

- Clear communication is crucial
- Data scientists must learn to speak the right language(s)



Key Required for Role

Making Plan for future

Data analysis/ Modeling



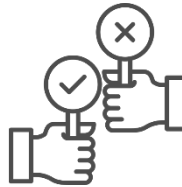
Passion&Knowledge in Industry



Communication Skills



Decision making



Bibliography

Sports Analytics Market Size, Share & Trends Analysis Report By Component (Software, Service), By Analysis Type (On-field, Off-field), By Sports (Football, Cricket, Basketball, Baseball), And Segment Forecasts, 2022 - 2030. (n.d.). Retrieved from <https://www.grandviewresearch.com/industry-analysis/sports-analytics-market>

Dana Severson. (2018, June 29). How Much Does a Sports Analyst Get Paid at First?. CHRON. Retrieved from <https://work.chron.com/much-sports-analyst-paid-first-13274.html>

Johann et al. (2020). Making everyone's job easier. How do data scientists fit as a critical member of integrated support teams?. BJSM. Retrieved from <https://bjsm-bmj-com.ezproxy.neu.edu/content/55/2/73>

Sports Analyst Salary. (n.d.). Retrieved from <https://www.ziprecruiter.com/Salaries/Sports-Analyst-Salary>

Perin, C., Vuillemot, R., & Fekete, J. D. (2013). SoccerStories: A kick-off for visual soccer analysis. IEEE transactions on visualization and computer graphics. Retrieved from <https://gabs-rol43.medium.com/a-survey-of-sports-analytics-2254f1d9a933> Sports in America. (n.d). sports-in-america [JPEG]. immihelp. Retrieved from <https://www.immihelp.com/sports-in-america/>

July 2021 - Volume 55 - 14. (n.d). 14.cover-source [JPEG]. BJSM. Retrieved from <https://bjsm.bmj.com/content/55/14>

Sports Analyst Salary. (n.d). Sports Analyst Salary [PNG]. ZipRecruiter. Retrieved from <https://www.ziprecruiter.com/Salaries/Sports-Analyst-Salary>

monkik. (n.d.). data [PNG]. Retrieved from https://www.flaticon.com/free-icon/data_993762?term=data&page=1&position=3&page=1&position=3&related_id=993762&origin=search

Freepik. (n.d.). Crowd-of-users [PNG]. Retrieved from https://www.flaticon.com/free-icon/crowd-of-users_33887?term=crowd-of-users&page=1&position=1&page=1&position=1&related_id=33887&origin=search

Freepik. (n.d.). selection [PNG]. Retrieved from https://www.flaticon.com/free-icon/selection_3442166?term=selection&page=1&position=80&page=1&position=80&related_id=3442166&origin=search

prettycons. (n.d.). group [PNG]. Retrieved from https://www.flaticon.com/free-icon/message_901163?term=communication&page=1&position=5&page=1&position=5&related_id=901163&origin=search

Icongeek26. (n.d.). decision making [PNG]. Retrieved from https://www.flaticon.com/free-icon/decision-making_1766520?term=decision%20making&page=1&position=1&page=1&position=1&related_id=1766520&origin=search

Becris. (n.d.). learning [PNG]. Retrieved from https://www.flaticon.com/free-icon/learning_2103356?term=passion&page=1&position=30&page=1&position=30&related_id=2103356&origin=search