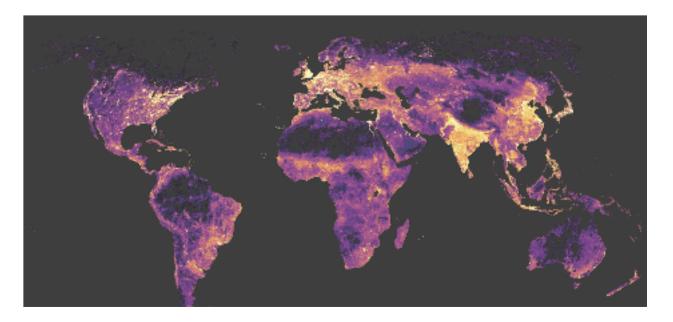
Data Wars: Preparing Companies and Workers to Compete in a Data-Driven World

Narrative: How is the role of software engineers, data engineers, and data scientists changing? How do they differ? How has their compensation changed over time? How does this look in an international context? How do candidates become one or the other? What resources are they using? What do they spend their time doing in companies? Are they handling data bias? How are they doing so? What challenges do companies face with their data? What industries are transforming into data driven organizations?



November, 2019

Adrian Lievano

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The annual industry-wide Kaggle Data Science & Machine Learning survey contains 16,000, 23, 859, and 19,717 responses in 2017, 2018, and 2019, respectively.

Sections/Results:

Data Exploration Survey Analysis:

- 1.1 Understanding Aggregate Demographics:
- 1.2 Understanding Subset Demographics:

Becoming a Technical Contributor:

- 2.1 Education:
- 2.2 Programming Languages:
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- 2.4 Candidates, Know Your Worth. Companies, Know the Price.

The Modern Tools of the Trade:

- 3.1 Understanding Aggregate Demographics:
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Conclusion:

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