

Spotify Stream Scan

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For our project, we selected an [Associate Data Scientist, Content Analytics](#) position with Spotify. While Spotify has many departments that hire data scientists to utilize analytics, we figured this position would generate the most interesting insights, since they mainly look at data pertaining to user behavior with music. The job is seeking an individual to conduct analyses to generate recommendations of new music or podcasts to users, based on previous behavior and likes/dislikes.

Our goal is to develop a method for relevant stakeholders to monitor trends in music and podcast viewership among various demographics. We can use the Spotify API to collect data on artists, songs, and users to generate insights on how to make better recommendations of new content for users.

We will begin by creating a descriptive analytics dashboard to identify which trends already exist within the market. From there, we will develop a diagnostic analytics dashboard to dig deeper into why we are seeing these trends; could certain artists be more popular due to demographics of listeners? These are the questions we aim to answer with our diagnostic analytics dashboard. We will then create an automated data pipeline to continuously bring in new data to keep our dashboards up-to-date with the latest trends (descriptive dashboard) and justifications to why we're seeing what we're seeing (diagnostic dashboard). Finally, we will develop a predictive model to generate recommendations of new content for users.

Within our analyses, the One Metric That Matters would be **streams**. The number of streams of a song or podcast is indicative of the popularity and/or success of that content.

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Associate Data Scientist, Content Analytics

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Associate Data Scientist, Content Analytics

Spotify (https://www.spotify.com/)

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Job Type

Full Time (<https://www.karkidi.com/Find-Jobs/JobType/full-time-jobs>)

Experience

2-4 year

Salary

\$120,000 - \$190,000 / Year

Location

United States (<https://www.karkidi.com/Find-Jobs/Location/United-States-jobs>)

Job Function

Key Skills

Python Programming (<https://www.karkidi.com/Find-Jobs/Skill/python-programming-jobs>), SQL (<https://www.karkidi.com/Find-Jobs/Skill/sql-jobs>), Cloud computing (<https://www.karkidi.com/Find-Jobs/Skill/cloud-computing-jobs>)

Job Description

Spotify's mission is to unlock the potential of human creativity by giving a million creative artists the opportunity to live off their art and billions of fans the opportunity to enjoy and be inspired by these creators. Everything we do is driven by our love for music and podcasting. Today, we are the world's most popular audio streaming subscription service with a community of more than 345 million users. We are looking for an outstanding Data Scientist to join the band and support our Music and Talk organizations, driving data-informed decisions related to the curation and distribution of both music and podcast content.

Location: United States of America (Home Mix) or Remote



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Industry

Information Technology

Qualification

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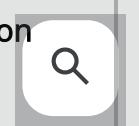
Degree in Mathematics (<https://www.karkidi.com/Find-Jobs/Education/degree-in-mathematics-jobs>)

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- Perform analyses on large sets of data to extract impactful insights that will drive decisions, with a particular focus on music and/or podcast recommendations and content performance.
- Engineer novel data sets, features and reports that shed a new light on the dynamics of audio listening.
- Craft high impact presentations for senior management and creative professionals at Spotify.
- Evaluate Spotify's ecosystem of content recommendations and build compelling data visualization tools to move it forward.
- Analyze A/B tests and form hypotheses for product improvements in how content reaches listeners.
- Model statistical predictions to surface growing artists, genres and music trends, so as to inform prioritization in and around Spotify's Music organization.
- Communicate data-driven insights and recommendations to non-technical audiences, through clear visualizations and data storytelling.

Who you are

- You have a degree in a quantitative field, such as Computer Science/Engineering, Mathematics, Statistics, Economics; advanced degree is desirable.
- 2+ years of relevant experience analyzing sophisticated data with SQL, Python, and/or R.
- You are passionate about music/podcasts and popular culture. Previous experience with Content is a preference. Other media, entertainment, or technology experience is also highly valued.
- You are a natural communicator. You focus just as much on how you deliver your findings, as you do on the technical craft of uncovering new insights.
- Experience building data visualizations and



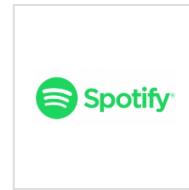
- Experience creating and scheduling datasets is highly valued. Knowledge of Google's BigQuery, or DBT is a plus.

Where you'll be

- We are a distributed workforce enabling our band members to find a work mode best for them!
- Where in the world? For this role, it can be within the Americas region in which we have a work location
- Prefer an office to work from home instead? Not a problem! We have plenty of options for your working preferences. Find more information about our Work From Anywhere options here.
- Working hours? We operate within the Eastern Standard time zone for collaboration

Our global benefits

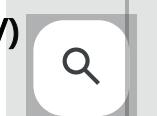
- Extensive learning opportunities, through our dedicated team, GreenHouse.
- Flexible share incentives letting you choose how you share in our success.
- Global parental leave, six months off - fully paid - for all new parents.
- All The Feels, our employee assistance program and self-care hub.
- Flexible public holidays, swap days off according to your values and beliefs.
- Spotify On Tour, join your colleagues on trips to industry festivals and events.



Company Info.

[Spotify \(https://www.spotify.com/\)](https://www.spotify.com/)

Spotify is a popular digital music streaming platform that was launched in 2008. It offers users access to millions of songs across various genres, including music, podcasts, and audiobooks. The platform uses machine learning algorithms to recommend personalized playlists and songs based on user listening history and preferences. Spotify also offers a variety of subscription plans, including free, ad-supported plans and premium plans that provide additional features like offline listening and lossless audio quality.



cation but has since expanded to include mobile and web-based versions as well. Key features of Spotify include: Music Catalog, Personalized Recommendations, Social Integration, Podcasts and Audio Content and Offline

Industry Media, Entertainment

No. of Employees 8,391

Location New York, NY, USA

Website <https://www.spotify.com/> (<https://www.spotify.com/>)

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Spotify is currently hiring Associate Data Scientist Jobs in United States with average base salary of \$120,000 - \$190,000 / Year.

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Spotify (<https://www.spotify.com/>)

📍 New York, NY, USA

2-4 year

Research Scientist - (<https://www.karkidi.com/job-details/5325-research-scientist-human-computer-interaction-remote-eligible-americas-job>)

Spotify (<https://www.spotify.com/>)

📍 New York, NY, US

2-4 year