### Job Title:
Graduate Professional Studies, Adjunct Faculty

### Course:
Predictive Analytics

### Division:
Rabb School, Graduate Professional Studies (GPS)

### Location:
Online

Brandeis University’s Graduate Professional Studies (GPS) is looking for an industry leader to teach in our Strategic Analytics Master’s Program. Brandeis University is consistently ranked among the nation’s top universities, and our online courses are developed using best practices in online learning. Information about Brandeis University and Graduate Professional Studies can be found online.

**About the position and the course:**

**RSAN 160: Predictive Analytics**, a core course in the Strategic Analytics Master’s Program, focuses on the fundamentals of predictive analytics as it relates to improving business performance. Utilizing best practices and case studies, this course will illustrate how predictive analytics can facilitate educated decision-making to reduce costs, increase revenues, and provide competitive advantage across a variety of industries.

<table>
<thead>
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<th>Course topics to be covered include:</th>
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<tr>
<td>• predictive models</td>
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<td>• key modeling techniques</td>
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<td>• multiple predictor variables</td>
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<td>• decision trees</td>
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<td>• time series</td>
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<td>• non-parametric regression and classification</td>
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<td>• principal components analysis and dimension reduction</td>
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<td>• scoring</td>
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<td>• quality control methods</td>
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**Qualified candidates will have Subject Matter Qualifications in the following areas:**

**Required:**

- Current active employment in the business analytics or data science field or related industry
- Minimum of 3-4 years’ experience in the field of data science using various data tools for analysis, visualization, training and validation as applied to machine learning and predictive analytics
- Minimum of 3-4 years’ experience in statistics and other quantitative tools and techniques
- Broad knowledge of predictive data analysis tools and techniques required, and the challenges each is designed to address

**Preferred:**

- Experience working with - and teaching - a programming language commonly used in data science - such as Python or R
- Teaching experience preferred; online teaching or learning experience

**General responsibilities include:**

- For new courses requiring development:
  - Design a syllabus following program chair guidance and the syllabus template
  - Create content that aligns with course outcomes and offers the author’s experiences and perspectives on key points
- For all courses - develop and deliver the course according to our teaching standards, which include actively facilitating online discussions, providing relevant and timely feedback on student work, reporting grades, and discussing student issues with staff
- Create or refine and facilitate the course site in the Moodle learning management system
General skill requirements include:

- Strong interpersonal skills when relating to students
- The ability to communicate effectively in writing, including conveying complex information and promoting in-depth engagement on course topics
- The ability to devote adequate time to courses, including responding to students and providing meaningful feedback in a timely manner

About the Masters in Strategic Analytics Program:
Graduates of our MS Strategic Analytics program feel equipped to provide organizations with the knowledge they require for success, and offer organizations a bridge between data management and strategic decision making by studying the organizational value of data analysis. Program outcomes include the ability to design innovative, cross-functional data analytics solutions for applied business strategies as well as lead analytics teams and projects and assess their value and effectiveness.

All GPS Masters courses are 10-weeks long and taught asynchronously in the online learning environment with no set days or times for interaction.

About GPS Faculty:
GPS Faculty instructors are active practitioners in the industries that align with our programs and have the professional expertise to bring to course discussions and threads. Instructors are part time and work fully online, with no requirement to appear on campus. Our faculty have earned at least a master's degree with many holding terminal academic degrees and industry-specific credentials. Previous experience teaching online is not required; GPS offers a comprehensive training program for qualified applicants.

How to apply:
GPS welcomes applications for its adjunct faculty pool on an ongoing basis. The application process consists of the online application and, if subject matter qualifications are met, a series of interviews at the discretion of the Program Chair. Complete your application online.