Welcome!
To Georgetown Analytics

Dr. Ami Gates,
Director Analytics
1) **Solid and robust** knowledge-base in data analytics.

2) **Expertise in all core areas:**
   - Coding for Data Science: R and Python
   - Visualization Methods
   - Big Data Analysis
   - Machine Learning
   - NLP and Text Mining
   - Statistical Learning
   - Deep Learning
   - Tech Communications,
   - Data Ethics and Security,
   - Optimization
   - Adv. Data Structures,
   - and more!

3) **Engage in creativity**
   Communication, teamwork, seminars, workshops, and problem solving.

4) **Take electives** in business, public policy, CS, math, statistics, linguistics, economics, or many other areas.

5) **Network**
   Being at Georgetown and in DC offers endless opportunities to make a difference, to meet people, and to use data to effect positive change!
General Plan

1) You need **10 classes**.
2) Full time is **3 classes each term**. (none in summer)
3) You can **graduate in 3 or 4 terms**. (most students choose 4)
4) You can (and should) **complete 1 – 3 internships**.
5) We have **active relationships with over 60 companies** – many of them local!
Year 1

Advanced Programming Topics
Free and online

ANLY-501: Introduction to Data Analytics
ANLY-502: Massive Data Fundamentals
ANLY-512: Statistical Learning

ANLY-511: Probabilistic Modeling and Statistical Computing

Elective 1
Common Options: ANLY 520, ANLY 561

Elective 2
Common Options: ANLY 530, ANLY 550, ANLY 601

Summer I
Fall I
Spring I
Year 2

Internship (Optional)

ANLY-503: Scientific and Analytical Visualization

Elective 5

Elective 3  Elective 4

Summer II  Fall II  Spring II

Graduate sooner – Take the last elective in Fall II

Internship (Optional)

Elective 5
Electives:
1) There are many elective options – too many to list here!
2) Electives can be taken in Analytics, Public Policy, Math, Statistics, CS, Linguistics, Business, Economics, etc.

Analytics Electives:
1) ANLY-520: Effective Presentation for Technology & Science
2) ANLY-530: Data Ethics Privacy & Security
3) ANLY-550: Structures and Algorithms for Analytics
4) ANLY-561: Optimization
5) ANLY-580: Natural Language Processing for Data Analytics
6) ANLY-590: Neural Networks and Deep Learning
7) ANLY-601: Advanced Machine Learning
Which Pre-Requisites are Important?

1) Our Program attracts students from all over!


3) Prerequisites: It is important to have:
   1) The Calc Sequence (sometimes called Analysis in other countries)
   2) Linear Algebra (Matrix Theory)
   3) A computer science class. If you have never had a programming class – take one online!
   4) Statistics (econometrics is fine too).
What About GREs and GPA?

1) We do require the general GRE.
   a) There are special cases, such as if the applicant already has a graduate degree or more than 5 years of work experience.
   b) GRE quant average score for applicants is 165. However – this is *not* a deal-breaker!

2) GPA is also something that all universities look at.
   a) Our average applicant is 3.6.
   b) However, we look at many factors. Our “cut-off” is 3.0.
Funding, Scholarships, and Internships

1) Partial Scholarships
   a) Generally includes 1 – 3 free classes.

2) Internships
   a) Recommended.
   b) Great for earning experience and income.
   c) We are connected to over 60 companies, most of which are local.

3) TA, RA, and Working for Georgetown
   a) We hire!

4) Cost Per Credit
   a) $2,065/ credit

5) Our Post-graduation Employment Rate: 100%!
   a) Our students are highly valued and highly sought after.
Georgetown University is the BEST Place to Network!

Just to Name a Few...

Facebook
Google
Tableau
Deloitte
Enigma
Enviva
MITRE
Hanover
Hacker Fellows
IBM GBS
GreenZone
World Bank

MedStar Health
Oracle
Children's National Health System
CollabraLink Technologies
BlueLabs
United Airlines
Dept of Technology Services Arlington
Lawrence Livermore National Labs
Bloomberg
QED
Guidehouse
Amazon
Job Placement and Internships
Here is where many of our Students have gone...

The Linhui Fund (China)
Consumer Reports
Boat America Corp.
Inter-American Development Bank
Abt
Pactera
KKnowSun
EagleView
comScore
ICBI Georgetown U Medical Center
Hanover Research
Sunrise Senior Living
Nielsen
Lam Research
Randstad USA
Georgetown Innovation Center of Biomedical Informatics (ICBI)

Amazon
World Bank
Infoblox
Caila
Peace Corps
OST
SEIU
Urban Institute
Didi Chuxing
Systems and Technology Research
PwC
Georgetown Univ Dept of Economics (work done at Microsoft)
Ancestry.com
Micron
Analyst Institute
PwC
Ancestry.com
Georgetown University

At a Glance
Student Population: 18,525
Undergraduate Population: 7,453
Student to Faculty Ratio: 11

Forbes Lists
#12 Top Colleges
#12 in Private Colleges
#11 in Research Universities
#9 in the Northeast
#50 America's Best Value Colleges
#8 America's Best Midsize Employers

Washington, District of Columbia
202-687-0100
http://www.georgetown.edu

Percent Admitted: 17%
SAT Composite Range: 1320-1520
ACT Composite Range: 30-34
Graduation Rate & Employment
We are 100%
Georgetown Overall is:

**After College**

Median Earnings 6 Years After Graduation
$90,100 / year
National $33,028

(Undergraduate)

Graduation Rate
94%
Natl. 49%

Employed 2 Years After Graduation
93%
Natl. 83%

**Poll** 98% of students feel confident they will find a job in their field after graduation. 44 responses
We Strive For Equality and Balance

Student gender distribution

56% Female
Georgetown is Dedicated to Service
Our Students Are What Counts

ENGAGING IN A MOVEMENT THROUGH RESEARCH

Khadija Khan (C’17), a summer 2016 Raines fellow, spent her junior year studying post-apartheid conflict resolution and decolonization at the University of the Western Cape in Cape Town, South Africa.

NSF Awards Go to Grad Students Researching Cancer, Cognition, Salt Marshes

Four Georgetown Ph.D. candidates in psychology, biology and tumor biology receive awards from the National Science Foundation for their potential to contribute to scientific innovation.
Georgetown is International

ABOUT THE INITIATIVE

The Georgetown Initiative for U.S.-China Dialogue on Global Issues is a university platform for research, teaching, and high-level dialogue among American and Chinese leaders from the public sector, business, and the academy that addresses common challenges facing the global community.
Care About World Issues? So Do We!

GLOBAL ENGAGEMENT

Initiatives   Regions   Issues

Issues Home

TRANSACTIONAL ISSUES
  Church and World
  Development
  Diplomacy
  Environment
  Global Health
  Human Rights
  Interreligious Dialogue
  Migration and Refugees

KNOWLEDGE, CULTURE, AND SOCIETY
  Art and Performance
  Communications
  Culture
  Gender
  History
  Language and Literature
  Science and Technology

POLITICS, ECONOMY, AND JUSTICE
  Business and the Economy
  Ethics
  Governance
  Law
  Peace and Security
  Political Economy

GEORGETOWN UNIVERSITY
Want to Take Action?

GLOBAL ENGAGEMENT

- Global Health Initiative
- India Initiative
- Initiative on Catholic Social Thought and Public Life
- Initiative on Innovation, Development and Evaluation
- Initiative for U.S.-China Dialogue on Global Issues
- Latin America Leadership Program
- Georgetown and Latin America
- Global Futures Initiative (2015-2016)
Georgetown is About...

SERVICE TO THE WORLD

D.C. LOCATION

ACADEMIC EXCELLENCE

SERVICE TO THE WORLD
Make Time for Fun and Relaxation
A Never-Ending List of Things to Do in Georgetown and DC
DC is Fun!

EVENTS & FESTIVALS

The District offers a robust list of can't-miss festivals, cutting-edge exhibits & more as summer turns to autumn.
10,000 Things to See and Do
Our Mission

The Graduate Analytics Program at Georgetown University focuses on the practices and principles of data exploration, analysis, modeling, and comprehension, and on the utilization of subsequent knowledge generation for information transparency and dissemination.

In addition to imparting rigorous, robust, and technical instruction, our Program and our Faculty are dedicated to the cultivation of imagination and creativity, the empowerment of knowledge through data, and the invaluable process of sharing and communication.

Our mission includes fostering instructional excellence, engendering an atmosphere of learning and scholarship, seeking solutions to global concerns, maintaining a close relationship and exchange with industry and research, and addressing new challenges with active progress toward responsibility and freedom.

Georgetown University was founded on the principle that serious and sustained discourse among people of different faiths, cultures, and beliefs promotes intellectual, ethical, and spiritual understanding. Georgetown educates all students to be reflective lifelong learners, to be responsible and active participants in civic life, and to live generously in service to others.

The Analytics Program at Georgetown University is committed to these ever important principles, as well as to encouraging excellence, diversity, and acceptance within our students, faculty, and staff.
Last Reason to Come to Georgetown

Our Mascot, Jack!

Questions?

Contact me anytime...

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