REDX RESEARCH

INFO

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OUR MISSION

Our mission is to empower students with top-tier instructors, ensuring they excel academically and stand out in college applications. We're committed to providing expert-led programs that equip students with the skills and experiences needed for success in both academia and the professional world.

Empowerment Through Expertise

We believe in the power of exceptional instructors. Our commitment to excellence means partnering with top professors and industry experts to guide students towards outstanding college applications.

Letters of Recommendation

Have the opportunity to receive personalised recommendation letters penned by our professors. Consider it a stamp of approval for your intellectual prowess.

No more than 20 students per Research Course

We do not believe in profit maximisation. We put students at the centre of everything that we do.

By participating in our programs, students can receive not only guidance but also an endorsement from the best of the best in a panoply of fields, bolstering their college applications. Among students who have enrolled in our programs:

83.9% students have successfully been admitted to the top 50 QS-ranked

THE REDX MAGIC

61.5%
83.9%
84.3%

Top 30 US Colleges

Top 50 World Colleges

Top 30 Graduate Programs Worldwide
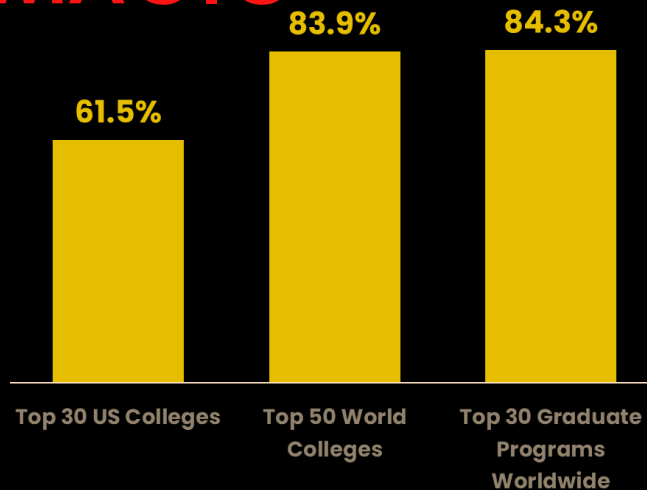
School	Undergraduate admission	Master and PhD admission
Princeton University	1	1
MIT	3	5
Harvard University	2	4
Stanford University	2	4
Yale University	3	3
University of Chicago	4	5
University of Pennsylvania	4	19
Duke University	5	12
Brown University	4	13
Northwest University	6	10
Johns Hopkins University	12	61
Columbia University	5	42
Cornell University	7	16
UC Berkeley	19	9
UCLA	17	11
Rice University	12	7
Vanderbilt University	12	6
University of Notre Dame	4	2
University of Michigan, Ann Arbor	7	19
University of North Carolina at Chapel Hill	11	2
Georgetown University	5	14
Emory University	19	2
University of Virginia	5	4
Carnegie Mellon University	11	13
Washington University in St. Louis	17	43

2023 US College Admission Results

(* Based on students' self report)

THE SECRET TO SUCCESS.

Research experience!

- Like Columbia and Harvard, **MOST** top universities **value research** undertaken by applicants.

- **Deep Research** in your area of interest is one of the best, if not the best way of showing admission officers that you are **truly interested** in what you seek to study.

According to their admissions page, Harvard does not encourage students to take an excessive number of courses at school. Instead, it advocates for a more balanced approach, such as engagement in <u>research programs</u>. Students are encouraged to submit their research findings as a component of their application to the university.

Columbia Engineering
The Fu Foundation School of Engineering and Applied Science

— Resume/CV

This document should outline clearly and briefly the following:

- Employment held (include title of jobs and start/end dates)
- Research activities
- Academic honors, including fellowships you have been awarded
- Volunteer or community service
- Extracurricular activities
- Honorary societies
- Publications

A few topics that you may want to address in your Personal Statement include:

- Describe how your background has prepared you to pursue an advanced degree in the field of engineering or applied science at Columbia University.
- Describe the reasons you are interested in this program and discuss any relevant past experience.
- If you have relevant work or research experience, please indicate how it helped you decide on your career path.
- What are your post-graduation plans or career goals?
- What do you hope to gain from this program?
- What about this program excites you?
- If there are any special circumstances that need to be brought to the attention of the Admission Committee, please include that information.

Johns Hopkins places an unbelievable emphasis on letters of recommendation. With RedX, students have the opportunity to receive a letter of recommendation from the best professors in their respective fields.

GETTING ACCEPTED

JOHNS HOPKINS UNIVERSITY

What do you look for in letters?

First we consider the source of the letter. A letter from your cousin who happens to teach at a two-year college is weighed significantly less than a letter from a researcher at a top computer science school! Next, we look for evidence of research potential. In particular, evidence of outstanding performance in past projects is of high importance. Somewhat less important is evidence of outstanding ability in the classroom. A good letter writer should know you well and be able to rank you very favorably in comparison with your peers.

TANGIBLE OUTCOMES

Enriching Personal Statements

With an incessant influx of applicants with stellar grades, top universities have come to value passion more than grades. They often implicitly prescribe that applicants elaborate on academic endeavours outside of their educational institutions. In essence, they are looking for someone who goes beyond a set syllabi.

Work with Top Scholars

University of Pennsylvania:

"Nearly one-third of the admitted students engaged in academic research during their time in high school...worked alongside leading faculty and researchers in their fields of interest."

Penn Admissions

Learning at Penn

Nearly one-third of the admitted students engaged in academic research during their time in high school, many earning national and international accolades for research that is already pushing the boundaries of academic discovery. Admitted students worked alongside leading faculty and researchers in their fields of interest, co-authored publications included in leading journals, and displayed their ingenuity in making connections across complex and varied disciplines. Our faculty and fellow students across Penn's schools and research centers are ready to welcome this latest generation of dynamic scholars who will continue to create new knowledge to benefit the world.

Evaluation & Letter of recommendation

Students who participate in our programs will be **issued an evaluation by the professor. This is in tandem** with **opportunity to receive a letter of recommendation** primarily based on their research submission. These letters can greatly enhance students' college applications, making them stand out from the crowd.

Coveted Certificates

After completing RedX programs, students will receive a certificate of completion. Our partnership with Certifier enables us to issue sleek and stylish certificates. Students may add the certificate to their LinkedIn.

Licenses & certifications ＋

redX. Mastering Large Language Models and the Future of Work
RedX Research
Issued Apr 2024
Credential ID 0b918447-57d1-44fb-bfe1-467bdd44734

Show credential

Intensive Projects

Through our programs, students will engage in group research projects that consolidate their understanding of the course material and bring out the best of their abilities. These projects will serve as uncompromising supporting evidence of talent and commitment, whatever they are upto in the world of study and work.

POPEYES RESEARCH
- Customer Behavior Fall II Final Report -

Figure 1: Intertopic Distance Map and Top Keywords for Topic 1 in Data 1

Figure 2: Intertopic Distance Map and Top Keywords for Topic 2 in Data 1
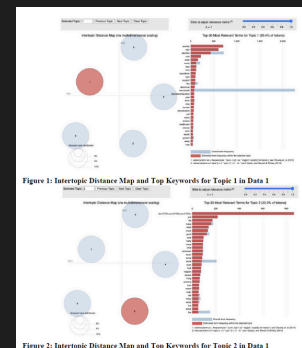
Business Analytics: Operations and Management

Supply Chain

Prof. Cosimo Arnesano at the University of Southern California

- Assistant Professor of Clinical Data Sciences and Operations, USC

- Strategy Manager, Thermo Fisher Scientific, USA

- Previously managed academic and scientific institutional client relations at Carl Zeiss Microscopy

- Deputy Director at the Imaging Services Research Center at the University of Southern California.

Your Instructor

"An excellent professor holding two doctoral degrees, with a track record of corporate strategic analysis."

Why choose this course?

How do organizations such as financial institutions, health care providers, manufacturing plants, and tech companies meet customer needs and stay consistent with their goals and values? How do organizations make trade-off decisions with respect to quality, cost, and time? Operations and Supply-Chain Management provide the tools and frameworks to answer these questions systematically in the global business world. They are the foundations of international trade and commerce.

What you will learn:

The course aims to equip students with a structured method for executing business analysis rooted in data analytics. The course begins with establishing comprehensive plans for data analysis and progresses to the initiation of data collection, processing through scientific techniques, and embracing a data-centric mindset. This methodology will be applied to assess different company facets, including R&D and operational efficiency. Leveraging data analysis insights, students will be trained to devise strategic solutions to tackle the complex issues faced in the business environment.

Focus

- Data Analytics
- Decision-Making
- Operational Efficiency
- Profitability
- Performance Evaluation
- Data Collection
- Process Improvement
- Strategic Solutions

Week	Professor's Live Class	Mentor's Live Class
Week 1	• Understanding the concept of a supply chain and its role in business operations. • Exploring different types of supply chains (e.g., lean, agile, responsive) and their characteristics.	1-hour lecture support
Week 2	• Principles of EOQ (Economic Order Quantity) and its application in inventory control. • Introduction to JIT (Just-in-Time) inventory management and its benefits and challenges.	1-hour lecture support
Week 3	• Factors influencing supply chain design decisions (e.g., cost, responsiveness, risk). • Techniques for optimizing supply chain networks, such as mathematical modeling and simulation.	1-hour lecture support
Week 4	• Methods for demand forecasting (e.g., qualitative, quantitative, collaborative forecasting). • Importance of accurate demand forecasting in supply chain management and its impact on inventory levels and customer satisfaction.	1-hour lecture support
Week 5	• Optimization techniques in transportation management, including route optimization and mode selection. • Role of technology (e.g., GPS, RFID) in enhancing logistics efficiency and visibility.	1-hour lecture support
Week 6	• Strategies for effective supplier relationship management (SRM) and supplier segmentation. • Risk management strategies in supplier partnerships and supplier performance measurement.	1-hour lecture support
Week 7	• Key performance indicators (KPIs) for measuring supply chain performance (e.g., fill rate, on-time delivery). • Continuous improvement methodologies (Six Sigma) and Mumboi's Dabbawala.	1-hour lecture support
Week 8	Professor Arnesano helps you identify a thesis for research and assigns preliminary readings.	1-hour Research mentorship
Week 9	Meet with Group to discuss shared research project.	1-hour Research mentorship
Week 10	Meet with Group to discuss shared research project.	1-hour Research mentorship
Week 11	Group Research Presentation; evaluated by the Professor.	1-hour Research mentorship

TEXTS/READING FOR THIS CLASS:

- "Supply Chain Management: Strategy, Planning, and Operation" by Sunil Chopra and Peter Meindl.
- "Designing and Managing the Supply Chain: Concepts, Strategies, and Case Studies" by David Simchi-Levi, Philip Kaminsky, and Edith Simchi-Levi.
- "Supply Chain Logistics Management" by Donald J. Bowersox, David J. Closs, and M. Bixby Cooper.
- "Supply Chain Management and Advanced Planning: Concepts, Models, Software, and Case Studies" by Hartmut Stadtler and Christoph Kilger.
- "Global Supply Chain Risk and Resilience" by Richard Baldwin and Rebecca Freeman. The London School of Economics and Political Science.

*They will be available on your portal.

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