Higher Study in USA

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Questions

- I want to switch from Stat & Data science to computer science with low CGPA so, what should I do now from start to finish?

- Job opportunities from Statistics

Job Prospects

How much does a Statistician make?
Updated Feb 1, 2024

Experience
All years of Experience

Industry
All industries

🛡 Confident

$107K/yr

$85K $137K

Total Pay Range   **$85K - $137K**/yr

■ Most Likely Range

Base Pay   **$73K - $115K**/yr
Additional Pay   **$12K - $22K**/yr

How much does a Statistician make?
Updated Feb 1, 2024

Experience
All years of Experience

Industry
Education

🛡 Confident

$86K/yr

$68K $110K

Total Pay Range   **$68K - $110K**/yr

■ Most Likely Range

Base Pay   **$58K - $92K**/yr
Additional Pay   **$9K - $18K**/yr

How much does a Civil Engineer make?
Updated Feb 2, 2024

Experience
All years of Experience

Industry
All industries

🛡 Confident

$103K/yr

$81K $131K

Total Pay Range   **$81K - $131K**/yr

■ Most Likely Range

Base Pay   **$68K - $105K**/yr
Additional Pay   **$14K - $25K**/yr

How much does a Computer Science make?
Updated Oct 29, 2023

Experience
All years of Experience

Industry
Education

🛡 Confident

$76K/yr

$59K $98K

Total Pay Range   **$59K - $98K**/yr

■ Most Likely Range

Base Pay   **$54K - $89K**/yr
Additional Pay   **$5K - $9K**/yr

What really matters

Determination

Fear?

Application Timeline and Eligibility

Portal Opens in Mid-September and Deadline (Max Dec 1 to Dec 31 or Feb 15)

- You should have all materials ready before that or at least one month before the deadline

- Apply before 1 or 2 month of Deadline (Best Practice)

Eligibility

- IELTS **MUST** – 6.5 Minimum (*There is a Backdoor path!!*)

- CGPA >= 3.0

- GRE – Optional in some program

- WES – USA & CANADA have different WES, and Not Required.

- LOR – Contact your professor as early as possible.

- SOP & CV

- **MUST** Follow the **Application Guidelines**

Masters in USA

- **Funding is available on Masters program? – YES**
  - Choose a University who Don't have PhD program (See attachment in FB group)
  - Check Websites and Email the Graduate Coordinator
- **What Matters?**
  - CGPA; LOR
  - GRE Score
  - IELTS/TOEFL Speaking Scores
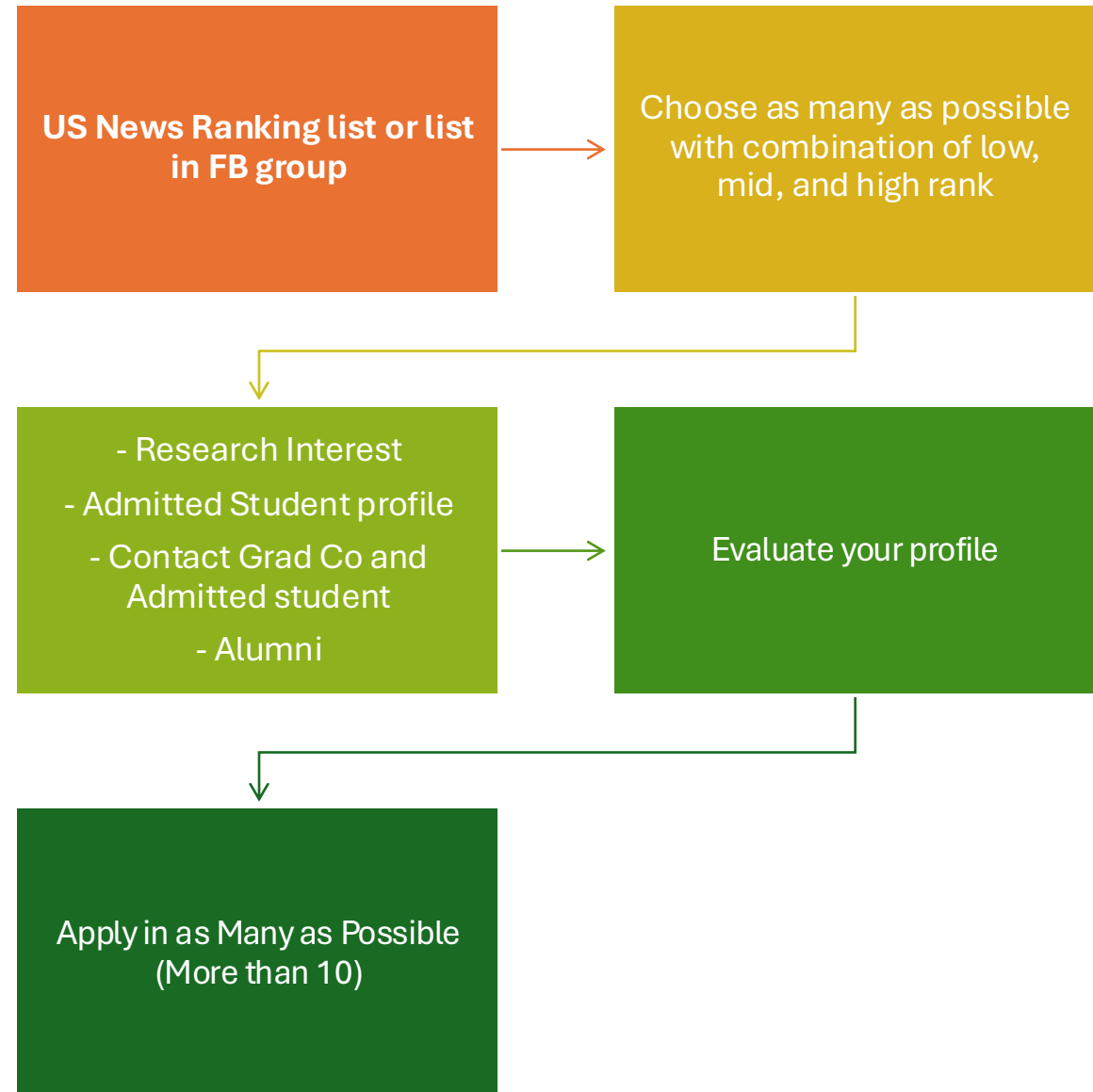 - Research Interest/Research Experience (Optional)

PhD in USA

- **What Matters?**
  - Stand-out profile
  - CGPA Does Matters
  - SOP, LOR, GRE, and Research Experience if you want to switch Biostatistics
- **No need to email/contact Professors – Apply Centrally**

University Selection (USA)

Statistics and Biostatistics University List : https://www.usnews.com/best-graduate-schools/top-science-schools/statistics-rankings

US News Ranking list or list in FB group

Choose as many as possible with combination of low, mid, and high rank

- Research Interest

- Admitted Student profile

- Contact Grad Co and Admitted student

- Alumni

Evaluate your profile

Apply in as Many as Possible (More than 10)

Application Hacks

- Complete Application Way before the Deadline (TOEFL +GRE +WES +LOR sending time will vary)
- Contact graduate coordinator for questions
- If you are applying to Biostatistics Program, You need SOPHAS (a centralized System for 50 to 60 Biostatistics Program)
- SOPHAS will provide code for WES fee reduction
- SOPHAS will provide Application fee waiver (particular amount)
- Email graduate coordinator asking Application fee waiver
- Join Virtual event for Application fee waiver
- See websites **of ETS** for **GRE and TOEFL** for sales and promotional offer, e.g., Black Friday, Labor Day, Thanksgiving

Profile Sharing (Sunny- Application)

- **CGPA:** BSc – 3.62; MS – 3.92 (WES)

- **Job Experience:** 2 Years (1 Year at BRAC JPGSPH and Others + Teaching Fellow of BRAC JPGSPH + Adjunct Instructor at Govt. Titumir College)

- **Research Publication:** 6 Published + Submitted 4

Profile Sharing (Suman)

Fall 2022 – Applied 10 AND got admissions from 2 universities but no funding

Fall 2023 - Applied 10 AND got admissions from 5 universities (3 funding)

CGPA: B.Sc. (Hons.) - 3.21; MS - 3.18 (WES); **GRE:** Q: 157, V: 142, and AWA: 3.5 ; **IELTS:** 6.5 (Reading: 6.5, Listening: 6.5, Speaking: 6.5, Writing: 6.0)

Job Experiences: Senior Research Officer; Mitra and Associates (8 months); Field Research Assistant; BRAC James P Grant School of Public Health (2 months); Research Assistant ; BBC Media Action (13 Months); Research Assistant; Training, Research, Education and Empowerment (2 Months); Data Collector; Fineanswer Study Abroad (2 months)

Publications: 2 (Under Review)

Motivation And Inspiration for Low CGPA

✓Dream will help you to achieve your goals (no matter your CGPA)

✓Believe yourself, Be honest

✓Handwork and Passion for goals

✓Be sharing and caring about your knowledge to others.

✓Dream will hurt you and at last you will success

Question and Fact Checking Time

- **What are the application timeline?**

- **When should you start if you plan for higher study?**

- **Application Deadline?**

- **Portal Opening Time?**

- **Say Two hacks of application for Fee Waiver?**

Cost ?

It's an Investment

Total Cost (Think as an Investment)

Item	Costs
WES	245$ + 30$ for sending to each university + 8$ JU
GRE	220$ + 35$ Sending charge
TOEFL	205$ + 25$ Sending charge
IELTS	215$ + 0$ Sending charge
University Application Fee	50$ - 100$ * X
Air Fair	----
1 Month Living cost	----

Applications Materials

- SOP
- LOR
- CV
- Websites/Linkdln
- WES/CGPA
- GRE
- TOEFL/IELTS

Statement of Purpose (SOP)

Most Important Document of the Application

Max 1500 to 1600 Words (World Limit, 700 – 1000 in some University)

- **It should be focused, informative, and convey your research interests and qualifications.**
  - Describe your reasons and motivations for pursuing a graduate degree in your chosen degree program
  - Noting the experiences that shaped your research ambitions
  - Indicate briefly your career objectives
  - Concisely stating your past work in your intended field of study and in related fields.
  - Write with Evidence, e.g.,
  - Bad-   I am interested in Bayesian Statistics.
  - Better – My fascination with Bayesian statistics grew while working on the MCMC algorithm without relying on packages as part of our coursework and exploring examples in WinBUGS.
- Particular Questions Asked in Program website
- Build your own one and then ask review from alumni

Letter of Recommendation (LOR)

Second Most Important Document of the Application

- **Recommender closely worked with you/know you**

- No general statement, go for details as much as possible

- Academic Recommender – Relate with Coursework, Leadership, Activity, any work academic work was impressed

- Concisely stating your past work in your intended field of study and in related fields.

- Particular Questions Asked in Website of the Program

- Build your own one and then ask review from alumni

Curriculum Vitae (CV) / Resume

- Give more time to make a Standard CV
- 2 Page is enough, Not good to make more than 2 pages

Include these

- ➢ Academic Credentials
- ➢ Publications (If any, include if working or submitted)
- ➢ Research Experiences
- ➢ Projects (if any)
- ➢ Teaching Experiences (add any tution related experiences)
- ➢ Technical Skills
- ➢ Workshop and Training
- ➢ Awards/Scholarships
- ➢ Leadership/Volunteer Activities

LinkedIn and Website

➢ It's important to create a standard Linkedin Profile.
➢ Always update Linkedin Profile.

Personal Website

➢ It's not required but you can add your all details in your website.
➢ You can create easily without any cost: https://sites.google.com/new
➢ You can add website URL in your CV (Not required, but it's good)

Email Communication

Improve your email Communication Skill

Preparation Materials

- Test Preparation Materials (https://sites.google.com/view/nextoptestprepresourses/home?authuser=0)

WES (World Education Services)

- https://www.wes.org/
- Different for USA and Canada
- Takes 20-30 days to complete WES
- Communicate with Register office
- 200 Taka for each Document
- Send it Electronically

Standardized Test

GRE (Graduate Record Examinations- Long Version)

- Quantitative Reasoning
- Verbal Reasoning
- Analytical writing Ability

Quantitative Reasoning

- Arithmetic
- Algebra
- Geometry
- Data Analysis

GRE

- 3 or 2 sections (depends on instant exam environment)
- 20 Questions per section
- 35 minutes per section
- Practice Official ETS Books, Manhattan, GregMate.

Verbal Reasoning
- Short and Long Passages
- Fill in the Blanks with 1, 2, and 3 blanks
- 20 Questions per section
- 30 minutes per section

- 3 or 2 sections (depends on instant exam environment
- Practice Official ETS Books, GregMate, Read Newspapers

GRE

Analytical writing Ability

- One "Analyze an Issue" task and one "Analyze an Argument" task
- 30 minutes per task

➢ Write in English every day for any topic.

➢ Follow GregMate writing rules, it will be helpful.

Suggestions

- Practice Maths as much as possible.
- Give some mock tests.
- Practice Official ETS books for Verbal.
- Follow this - https://www.gregmat.com/

IELTS (International English Language Testing System)

- Listening
- Reading
- Writing
- Speaking

Listening – 4 Parts – 40 Questions – (35-40 Mins)

- Listen Ted Talks, Podcasts etc.
- Practice Official Cambridge Books

IELTS

Reading – 3 Passages – 40 Questions – 1 hour

➢Read Newspapers (New York Times, BBC…etc.).

➢ Practice Official Cambridge Books.

Writing – 2 essays – 1 hour

➢Write every day for any topic

IELTS

Reading – 3 Passages – 40 Questions – 1 hour

- Read Newspapers (New York Times, BBC...etc.).
- Practice Official Cambridge Books.

Writing – 2 essays – 1 hour

- Write every day for any topic

IELTS

Speaking – 3 parts - (10-15 mins)

➢ Speak in English with peers, friends or families.

Suggestions:

➢ Live with English but depends on English Language Ability.

➢ Give some mock tests.

➢ Take some time for background preparation, then practice with Cambridge Official Books.

IELTS Starting Materials

- **Reading Strategy** – E2 Language (https://www.youtube.com/@E2English.)
- **Listening Strategies** – IELTS Liz. (https://ieltsliz.com/)
- **Writing and Listening** – Fasttrack IELTS (https://www.youtube.com/@FasTrackIELTS)
- **Speaking** – English Speaking Academic Success by Keith (Enough topic) (https://www.youtube.com/@EnglishSpeakingSuccess)
- **Writing** – Makkar IELTS

Q&A

Ask Question- We are here to help