# Data Science and Big Data Analysis Online Program

**I.   Introduction**

World scientific and technological revolution put forward higher requirements for talents with date science knowledge. On September in 2020, School of Mathematics, Tianjin University, will launch Data Science and Big Data Analysis Online Program, based on the ASEAN oriented countries and regions along The Belt and Road. It will last three months on the Internet.

The program includes course learning and research practice on the topic of data science and big data analysis, as well as the courses involve Chinese learning and Chinese cultural experience. Online courses normally be scheduled on weekday evenings and part of weekends.

The program is for the students, teachers, technicians and administrative staff who engage in education, computer, internet, intelligent manufacturing, marine science, biotechnology and other fields. It will effectively consolidate knowledge in data science, deepen understanding of big data analysis and cultivate mathematical thoughts. It will also promote the collaboration of China-ASEAN in science, technology, education and culture.

The tuition waiver. Students with good performance could get exquisite prizes. Students who have completed the program will be awarded a completion certificate.

**II.   Core Course**

Introduction to Data Science, Python foundation for Big data analysis, Fundamentals of Artificial Intelligence, Big data statistics etc.

(According to the courses assignment)

**III.   Qualification of applicants**

1.   Applicants should be a citizen of a country other than the People's Republic of China, applicants who are from countries and regions along The Belt and Road are prioritized;

2.   Be in good health;

3.   Be over the age of 18 and under the age of 45.；

4.   Education:

•    Undergraduates of any major, applicants in mathematics and physics are preferable.

•    Postgraduates of any major, applicants in major other than mathematics and physics are preferable.

•    Faculty, officer or staff with a Bachler degree of any major.

5.   Language requirements: TOEFL 80/IELTS 6.0 or equivalent English ability, able to perform in academic environments.

**III.   Schedule**

| Application | Jul, 20th-Aug 30th |
|---|---|
| • Expected to recruit 30 people. Application will stop when the expected number is reached. <br> • Make sure that you complete the online application as IV. and V. below. | |
| **Admission** | Aug |
| • We will send the Admission Notice to the final successful applicants by email. | |
| **Study Arrangments** | Sep – Nov (Weekday evenings and part of weekends) |
| • Week1      Orientation <br> • Week2- Week9    Course Learning <br> • Week10- Week12   Research Practice | |

> • Week13 Presentation and Summary
> Detailed Schedule will be posted to participants when approaching.

**IV. How to apply**

The applicants must fill in and submit the following application materials according to the facts.

1. Provide basic information through the link https://jinshuju.net/f/jDoC1A first.

2. Go to the online application portal at http://tju.at0086.cn/student .

3. Register and choose General Scholar.

4. Please choose School of Mathematics, Data Science and Big Data Analysis Online Program.

5. Fill in your application information.

6. Upload all the required materials.

**V. Application materials**

1. **Highest diploma.**

Diploma in languages other than Chinese or English must be attached with notarized translations in Chinese or English, and the original must also be submitted.

2. **Academic transcripts.**

Transcripts in languages other than Chinese or English must be attached with notarized translations in Chinese or English, the original must also be submitted.

3. If the applicant is a student, **an official study proof** must be submitted with the application.

If the applicant is employed, **an official employment proof** is must be submitted.

4. Photocopy of your **valid passport**.

**VI. Fees (RMB)**

1. The tuition waiver. Students with good performance get exquisite prizes.

2. Registration fee of 420 RMB must be transferred to Tianjin University bank account and the scanned counterfoil sent to TJU online Application System before Aug 30.

Note: When wiring tuition fee to the university bank account, you must fill in application number, applicant's name and the program you are going to take.

**VII. Contact**

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# 数据科学与大数据分析网络培训
# 招生简章

## 一、项目介绍

世界科技革命产业变革新趋势对人才的数据分析和处理能力提出了更高的要求。2020年9月，天津大学数学学院将面向以东盟为主的"一带一路"国家或地区，开展数学科学与大数据分析网络培训，为期三个月。项目包括数据科学与大数据方面的课堂学习和实践应用，同时涉及汉语学习、中国文化体验等。大部分课程在工作日晚和部分周末开展。

项目将帮助从事教育教学、计算机、互联网、智能制造、海洋科学、生物技术等领域的教师、学生、技术人员或行政官员，巩固数据科学知识，加深对大数据技术的理解，培养数学思维，深化我国与以东盟为主的"一带一路"沿线国家的科技、教育和文化合作。

项目免学费。表现优秀的学员可获得精美的奖品。按要求完成培训的学员，可授予结业证书。

## 二、核心课程

数据科学导论、大数据分析的 Python 基础、人工智能基础、大数据统计等。（以实际课程安排为准）

## 三、申请人资格

1．非中国籍公民，身体健康，优先一带一路沿线地区和国家的申请人；

2．申请人的学历和专业要求：

高等学校在学学生、在职教师，或其他单位具有相当于大学本科毕业的学历级以上的在职人员，年龄为 18-45 周岁。高等学校在学学生，本科生以数学、物理专业优先，研究生以非数学、非物理专业优先。高等学校在职教师和其他单位在职人员不限专业。

3．语言能力要求：托福 80/雅思 6.0 或同等能力英语水平，能适应英语教学及日常沟通。

## 四、时间安排

| 报名 | 2020 年 7 月 20 日- 8 月 30 日 |
|---|---|
| • 计划招收 30 人，报名达到预期人数则停止报名。<br>• 请务必按照 "五、申请方式" "六、申请材料"完成报名。 | |
| 录取 | 2020 年 8 月 |
| 将发送录取通知给成功申请者，请注意查收邮件。 | |
| 学习安排 | 2020 年 9 月至 11 月期间，工作日晚及部分周末 |
| 第 1 周　　　　　　　　项目介绍<br>第 2 周-第 9 周　　　　课堂学习<br>第 10 周-第 12 周　　　科研实践<br>第 13 周　　　　　　　成果汇报<br>具体学习安排将在项目开始前发给学员。 | |

## 五、申请方式

申请者必须实事求是填写和提交所有申请材料。

1.点击链接 https://jinshuju.net/f/jDoC1A 进行预报名。

2.找到天津大学在线申请网站 http://tju.at0086.cn/student。

3.注册并选择普通进修生。

4.请选择数学学院，数据科学与大数据分析网络培训。

5.填写在线申请信息。

6.上传所有的申请材料。

## 六、申请材料

1. 最高学历证明扫描件。
   中英文以外文本需附上公证的中文或英文的译文。

2. 学习成绩单扫描件。
   中英文以外文本需附上公证的中文或英文的译文。

3. 正在读大学的学生需提供在学证明；在职者需提供在职证明。

4. 护照扫描件（有照片页）。

## 七、 费用标准

1.学费减免。表现优秀的学员可获得精美的奖品。

2.**拟录取学员需将注册费 420 元汇入天津大学账户，并于 8 月 30 日前将汇款凭证扫描件发送至天津大学在线申请系统（tju.at0086.cn/student）。**

提醒：请务必在汇款时准确注明申请学生的申请编号、姓名、学习专业等信息。

## 十一、联系方式

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