

牛津大学
圣安东尼学院之旅
St Antony's College,
Oxford University

沙奎良



Welcome to

Oxford University

Dominus Illuminatio Mea: The Lord is my Light

CHAPTER

»» 01

学习在牛津



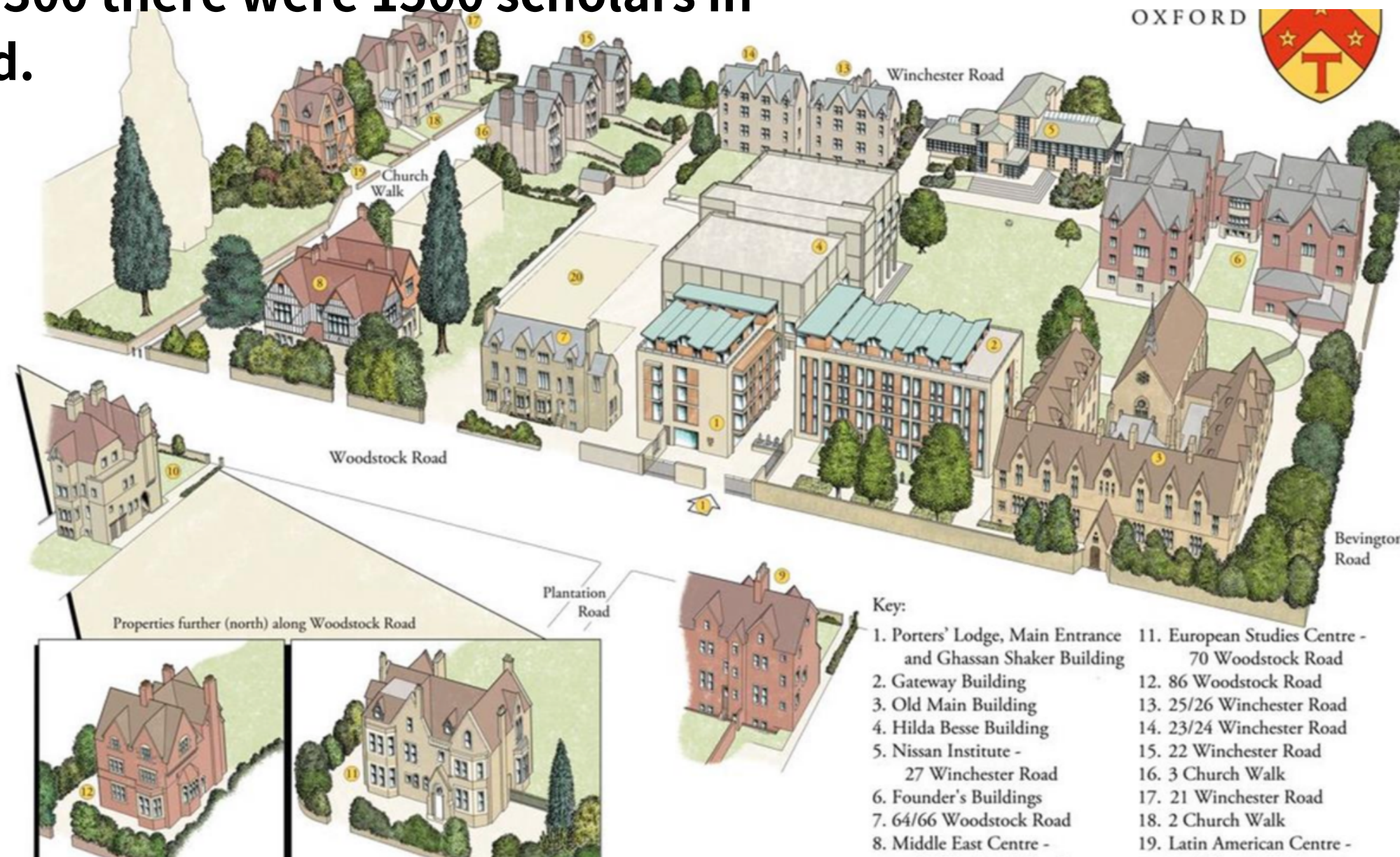
交通便利，一小时的车程
可从希思罗机场到达学院



» What makes Oxford University so famous?

- Oxford was the first University in the English-speaking world and has a history of 900 years.
- Lectures started in 1100.
- By 1200 Oxford was a full university with faculties, doctors, masters and scholars.
- By 1300 there were 1500 scholars in Oxford.

...



课堂实录





在霍格沃兹
读书

1.英国的教育环境

2.与教授的互动

3.与其他同学的交流

4.课程任务

课上exercises+课下project

DATA ANALYSIS EXERCISES

1. Write a Python code that, given $n \geq 1$, outputs a random sample of n points (x_i, y_i) , where x_i are drawn uniformly from $[0, 1]$ and $y_i = ax_i + b + z_i$, where z_i are drawn from the normal distribution $N(0, \sigma)$. Let us call the resulting set of n data points $\mathcal{D}_{\text{train}}$. Scatter plot $\mathcal{D}_{\text{train}}$ for $a = 0.7$, $b = 0.3$, $\sigma = 0.05$, $n = 100$.

2. We hypothesise that $\mathcal{D}_{\text{train}}$ can be well approximated by a linear function for some $\theta = (\theta_0, \theta_1)$. To measure the quality of approximation, define the cost function

$$J(\theta) := \sum_{i=1}^n (y_i - \theta_1 x_i - \theta_0)^2,$$

and derive the formulas for the partial derivatives

where (x_i, y_i) are the points in $\mathcal{D}_{\text{train}}$. Calculate formulas for $\hat{w}_0$ and $\hat{w}_1$.

$$\frac{\partial}{\partial \theta_i} J(\theta).$$

(10) Write a Python program that...

Artificial Intelligence and Machine Learning | Data Science with Python

CHAPTER »» 02

生活在牛津



英伦小镇 Oxford

- 1.生活惬意🕶️
- 2.物价不友好💩
- 3.很多暑期游学的学生

Oxford
14°

大部晴朗无云
最高19° 最低13°

03:00-07:00 局部多云, 07:00 预计大部多云。

现在	23时	0时	1时	2时	3时
🌙	🌙	🌙	🌙	🌙	☁️
14°	13°	13°	12°	12°	12°

📅 10日天气预报

今天	☀️	13°	19°
周一	☁️	11°	21°
周二	☁️	11°	20°
周三	☀️	12°	21°



感受当地文化

- 1.文化气息浓厚：很多博物馆和书店
 - 2.英国人的文化习俗
 - 3.大量的草坪和公园：
- Enjoy yourself!



暑假为什么选择
Summer School?
阅历&知识?

CHAPTER

»» 03

娱乐在牛津





文化之旅



写在最后

为什么选择Oxford Session1 <<

- 1.英语国家最早的大学，体验英国的高等教育
- 2.课程选择性多，文理、商科等均有提供
- 3.可以与来自不同学校、不同背景的同学在一块学习、交流
- 4.为以后读研做准备，看自己是否喜欢或者适合英国的教育环境

这次经历带给我什么 <<

- 1.与外界交流，探索自己，提升自己
- 2.专业知识，英语能力
- 3.多元文化的碰撞

The lord is my light.





Welcome to
Oxford University



Oxford International Study Abroad Programme

Belsyre Court, First Floor, 57 Woodstock Road

Oxford, OX2 6HJ, United Kingdom

www.oxfordstudyabroad.org.uk

P: +44 (0) 1865 521959

E: info@oxfordstudyabroad.org.uk

感谢观看

THANK YOU FOR WATCHING

沙奎良

Nov 2023

The lord is my light.