

Currently studying for a MSc in Data Science at Oxford University and working as a Machine Learning Thesis Intern at Tripadvisor, with 3+ years of commercial experience in analytics, strategy and sales. Ranked in Top 5% of employees at Vodafone and in Top 10% of my undergrad cohort at Cambridge.

## EDUCATION

Oct 2021 – Jun 2022	<div><b>University of Oxford</b> – MSc Social Data Science</div> <ul style="list-style-type: none"><li>Fletcher Scholar and on track for a Distinction on one of Oxford’s most competitive postgraduate courses (14 applications per place)</li><li>Modules include Machine Learning, Natural Language Processing, Data Engineering, Geospatial Data Science / GIS, Statistics, Interpretable ML</li></ul>
Oct 2016 – Jun 2019	<div><b>University of Cambridge</b> – BA (Hons) Geography</div> <ul style="list-style-type: none"><li>Top 10% of my cohort and recipient of Steve Trudgill Award</li><li>Research projects: (1) Big Data for Sustainable Development, with primary research undertaken in-person in Qatar; (2) GIS and statistics</li></ul>

## TECHNICAL SKILLS

**Python** (pandas, numpy, matplotlib, sklearn, geopandas, pytorch, tensorflow, scrapy, statsmodels), **R** (basic), **SQL**, **MongoDB**, **Power BI**, **Excel**, **Machine Learning**, **Natural Language Processing**, **GIS**

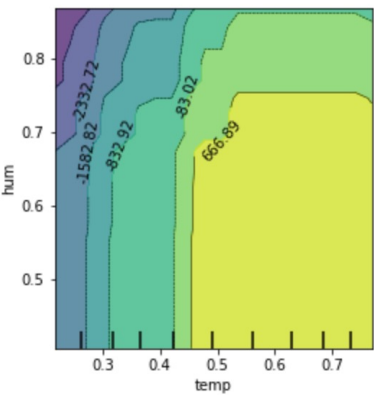
## EXPERIENCE

May 2022 - Present	<div><b>Machine Learning Thesis Intern, Tripadvisor</b></div> <ul style="list-style-type: none"><li>Created 7 business cases and persuaded Director to take me on to tackle them</li><li>Currently developing predictive models using ML and NLP methods</li></ul>
Sept 2019 – Sept 2021	<div><b>Data and Strategy Analyst, Vodafone</b></div> <ul style="list-style-type: none"><li>Ranked in the top 5% of the company in annual performance reviews in both years, by two different managers</li><li>Led a team of 5 volunteer developers and UX designers to develop an internal app for the Women’s Network, used by over 200 women across 10 markets</li><li>Coordinated external partnership with world’s top education services provider and presented results to C-suite executives</li><li>Designed and owned Power BI dashboards and sales tools for 200+ users</li></ul>
Jun – Jul 2018	<div><b>Analyst (Intern) – VIMA Group</b> (management consultancy)</div> <ul style="list-style-type: none"><li>Produced data-driven recommendations which helped secure VC investment</li></ul>
Sept 2015 – Apr 2016	<div><b>Sales – OVO Energy</b> (UK’s 2nd biggest energy utilities provider)</div> <ul style="list-style-type: none"><li>Boosted OVO’s smart meter sales by 10% by designing a data-driven sales tool</li><li>Highest sales rate in my team of 14</li></ul>
Jul 2012	<div><b>Intern – HSBC Corporate and Commercial Banking</b></div>

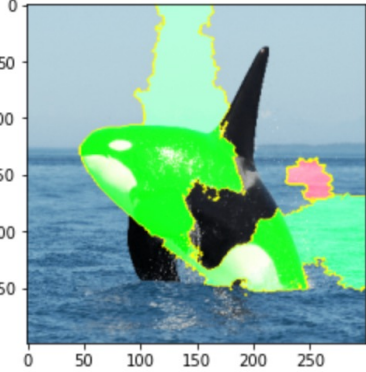
## SKILLS & INTERESTS

Music	<b>Teaching</b> – Ran my own business teaching children to play the guitar and piano
Language	<b>Arabic</b> – took a beginner course for fun in 2018 and have travelled to 4 MENA countries
Volunteering	<b>Youth work</b> – Co-lead a weekly youth group for over 20 young people aged 15-18

Partial Dependence Plots



LIME



Shapley values

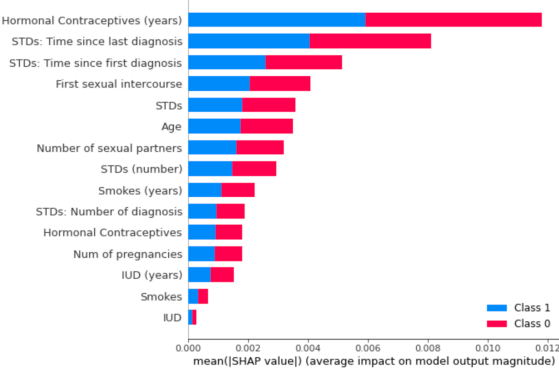


Figure 1: Correlations between musical attributes of top songs and mobility parameters

