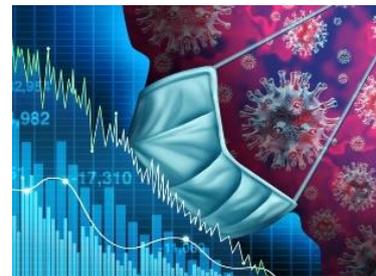


## A Level Statistics – links to subject related information

- **This course is about data handling and probability. It is for students who are successful in these topics at GCSE, and who enjoy applying maths to real-life situations. Using and understanding data is becoming increasingly important in many areas of study and employment. Statistics A-level is especially popular amongst students hoping to take Business, Economics, Sciences, Geography or Psychology for A- level or at university. You will build practical and analytical skills that will help you in many different careers and you will have a numerate qualification that is invaluable in today's world of data analysis.**
- **The Office for National Statistics** continually update statistics on a wide range of activities. Have a look at their website to see what they have produced most recently <https://www.ons.gov.uk/>

For instance on the **Blog** you can read what the Office for National Statistics is doing to respond to the challenges of the coronavirus pandemic and what they have found the outcomes are so far <https://blog.ons.gov.uk/category/coronavirus/>



- What are the statistics in the news this week?  
<https://www.bbc.co.uk/news/topics/cx1m7zg0w2qt/office-for-national-statistics>  
On the day I looked supermarkets have been charging more for baked beans and cleaning spray since the UK went into lockdown in March.

19:51 18 Jun

### Lockdown price hikes for beans and cleaning spray



Spray cleaning products are nearly 5% more expensive than in March, while beans cost almost 3% more.

- Every 10 years a **census** takes place in England and Wales and the next one is 2021. The first one was in 1801 and the only time it didn't take place was 1941 (WW2). You can find some information on the Office for National Statistics website. See if you can find out any findings from the 2011 census and watch out for the census form next year (March/April time)

**census2021**

- Newspapers often have reports where statisticians have been called in to confirm or dispute findings. Have a look at this one <https://www.independent.co.uk/life-style/health-and-families/features/processed-and-red-meats-are-linked-to-cancer-so-how-dangerous-is-a-bacon-sandwich-a6711936.html>. I'm sure you can find more.



- Recently there was a discussion on Cambridge Conversations : ‘COVID-19 behind the numbers’ where Professor Spiegelhalter whom you just read of in the above article explains many of the graphs used in the media during the Covid pandemic. Stop at 16:26 minutes.  
<https://www.youtube.com/watch?v=p2W3vS3I3YQ>

- The Royal Statistical Society’s key objective is for statistics to be used effectively in the public interest, so that policy formulation and decision-making are informed by evidence.  
<https://rss.org.uk/>

You can join the Royal Statistical Society as an E student if you are aged 16+ and you will receive a fortnightly electronic newsletter and free access to the ‘Significance magazine’.

<https://rss.org.uk/membership/join-now/e-student/>

**Some of our course is on looking at trends in data but we also apply lots of statistical tests to our data to make conclusions. When you try the online Statistics taster session we will introduce you to just a few of these there.**