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COMP6234 – Data Visualisation – Personal Project Data Description

The Data Source

https://www.isdscotland.org/Health-Topics/Child-Health/Publications/2016-12-13/P1_clinicalBMI_2015_2016.xls

Data Description

The data I have found is from ISD Scotland and is gathered annually by health visitors for children about to start their first year of school.

Additional data documents show that this data has a large proportion of the total population at around 50%. All measurements are provided with a 95% confidence interval which is very narrow. For example, in the 2015 in take the percentage of children in the Scottish nation with normal body weight was $84.7\% \pm 0.1\%$ with a 95% confidence interval.

The data ranges from school in take year 2006 to 2015 and is segmented by region, economic background and gender. For each segmentation it provides the percentage of Primary 1 school year intake that are categorised as either underweight, health weight, over weight, obese or severely obese.

The regional data is provided at two levels of granularity, the large granular data is at the level of individual NHS trusts, the finder granular data at the level of regional councils.

I have yet to do the analysis however I would like to see how the obesity levels vary over the ten year period for each region and see if I can find correlations with historical events.