**Introduction**

Our group wanted to answer the question of which State is the most ideal place to live in.

The information is relevant to migrants deciding on which state to settle into or Australians looking to move interstate. Or if you’re just looking for bragging rights on which State is the best.

The 4 factors that we considered to be relevant to our topic and had accurate data available are:

* crime rates,
* employment opportunities,
* school results and
* housing costs.

Each of us will talk about a different category in the presentation and show our analysis, while giving a numerical value of each State for each category.

**Topic introduction**

When moving interstate, a family’s safety is the number one priority. It would be unwise to move into a community with high rates of crime such as theft, illicit drug use or high violence.

The data I used to determine which state is safest is finding the recorded Crime Offenders from the last 5 years. Data from the Australian Bureau of Statistics gives a considerable amount of raw data which showed:

* Total offences from last 10 years
* Types of Offences (Drugs, Homicides, Theft, fraud etc)
* Age & Sex of offenders
* Multiple Spreadsheets of each State totals

**Cleaning Data**

When looking at the data the quick and incorrect assumption would be that NSW has the highest amount of crime therefor is the worst state to live in. However, NSW also has the highest population so a more accurate way to find the state with the least amount of crime is to use the offender rate per persons category. The pie graph on the right shows the Percentage density of Australia

**Graph1**

A line graph is chosen to represent the data so you can see the progress over time (in this case 5 years). The offence rate is on the y axis showing States with lower offender rates are safer places to live.

* Northern Territory is the clear State with the highest amount of offences per 100,000 persons. Over the timeline of 5 years it has decreased X%. It is the second smallest state in terms of population
* The offence rate in Tasmania, QLD, Victoria, WA & SA are all close to the mean offender rate of x% 1832.2
* Australian Capital Territory has the lowest offender rate at x in 2021 showing to be a low crime rate State. It has the smallest population & additionally has the lowest total number of offences

**Graph 2**

The bar graph here shows each States offender rate per 100,000 in 2021. It has been filtered to include the top 3 statistics from each State (other than fraud) which are:

* theft,
* illicit drug usage or
* violent acts

These

* SA & QLD have a higher illicit drug offences and correlates to more violent acts.
* NT & NSW have significantly higher acts intended to cause injury compared to minor offences.
* ACT has the lowest offender rates in all 3 categories.

**Interesting Statistics**

72% of offenders are male

number of proceedings for a COVID-19 related offence in 2020-21 were:

32,087 in Victoria next highest was

2,618 in New South Wales

The Median age of offenders are aged 31.

**Final points**

ACT is the safest State in Australia with the lowest offence rate per person.