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## ETC5513 Assignment 4 Group 7

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Nobel Prize, PhD

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Report for  
Acme Corporation

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Econometrics &  
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## 1 Introduction

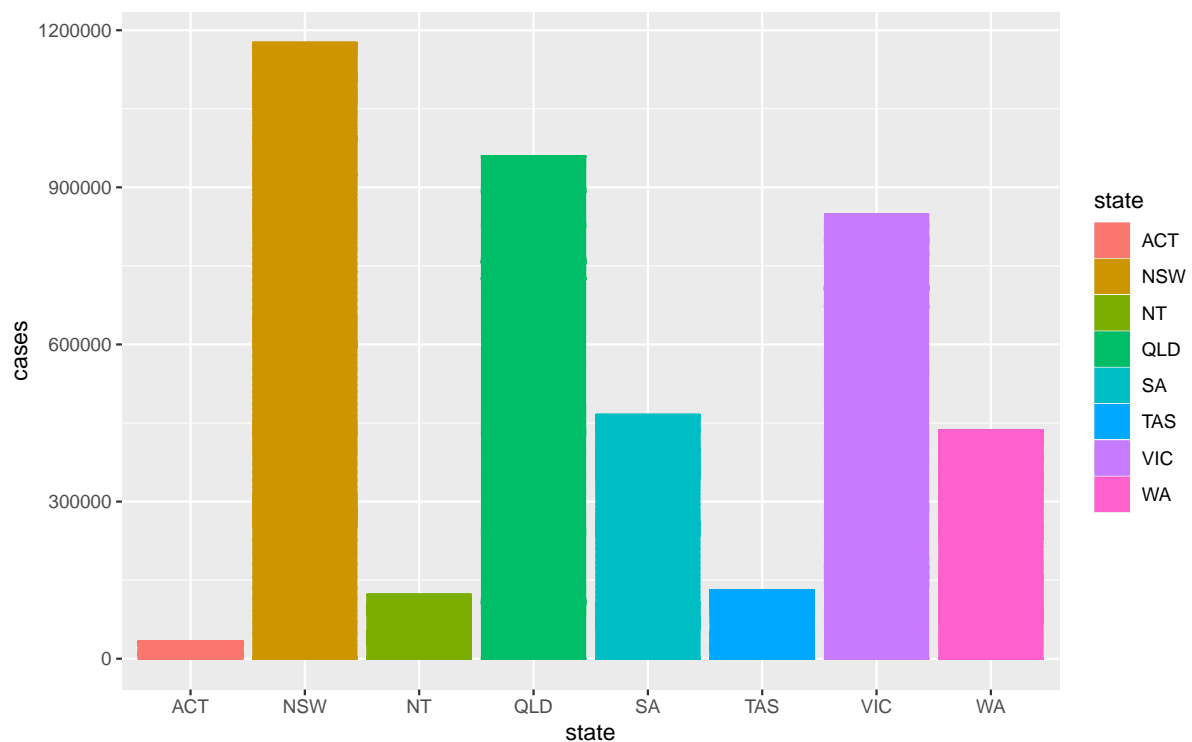
## 2 Analysis

### body 1

### body 2

### Crime analysis by State and Territory

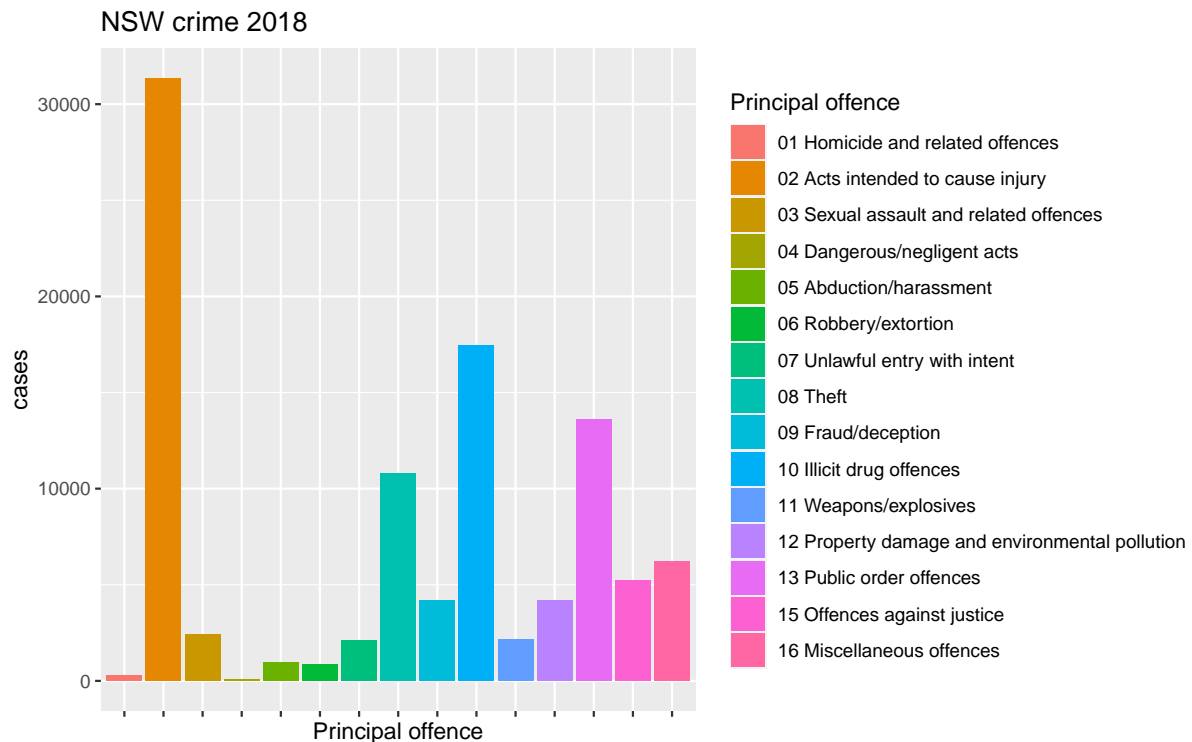
In this section, we are exploring the Australian crime statistics between states/territories. The analysis will be exploring which state has the highest crime rates, and what principal offence accounts for a large proportion.



**Figure 1:** *state-crime*

The figure above demonstrates high crime cases recorded by NSW, QLD, SA, VIC and WA. However, the high number of crime cases recorded in these states may be due to its high population compared to other states/territories like ACT, NT and TAS.

Next, We'd like to look into the frequency of the principal offence in 2018 for top 4 crime-level states. (NSW, QLD, SA and VIC)



**Figure 2:** *NSW crime 2018*

The figure 2 demonstrates that 02 Acts intended to cause injury takes the largest proportion in NSW's 2018 crime statistics.

The figure 3 demonstrates that 10 Illicit drug offences takes the largest proportion in QLD's 2018 crime statistics. So why some states like QLD have drug offences on rife? Tony Fleming explains in the brisbane times that, "Largely it is because the Valley and CBD is a night and party precinct. A lot of the drug use is associated with people socialising and whatnot."(Lynch (2019))

The figure 4 also represents the outstanding proportion of 10 Illicit drug offences in South Australia's 2018 crime statistics.

In the figure 5, 02 Acts intended to cause injury resulted in the highest proportion compared to other offences recorded in Victoria's crime statistics.

Furthermore, @ref(tab:table3.1) also implies the top 4 states accounted for highest proportion of total crime cases recorded in Australia 2018.

## body 4

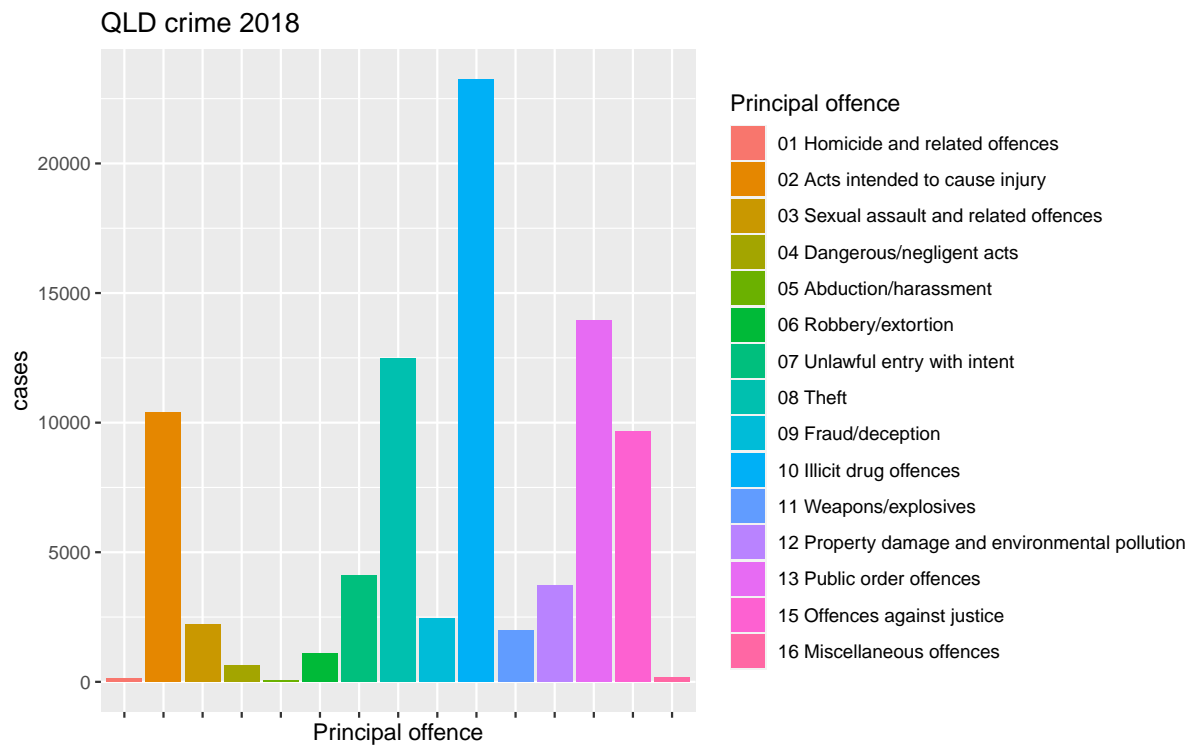


Figure 3: QLD crime 2018

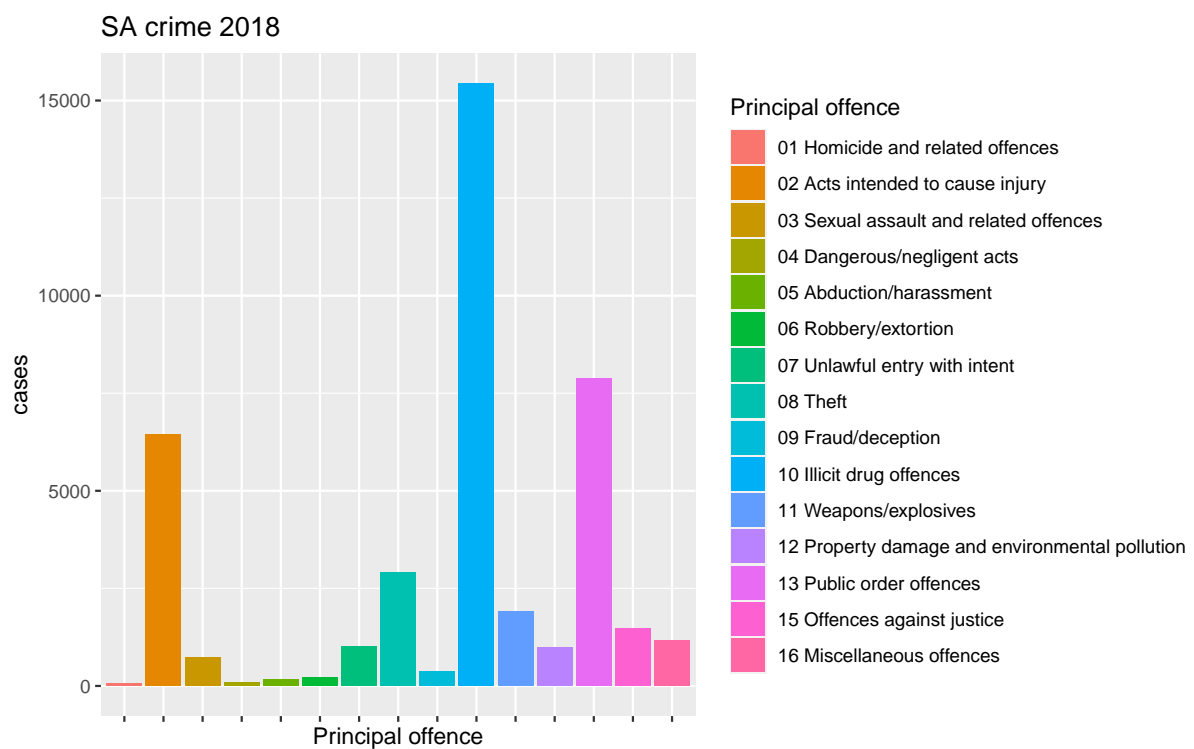


Figure 4: SA crime 2018

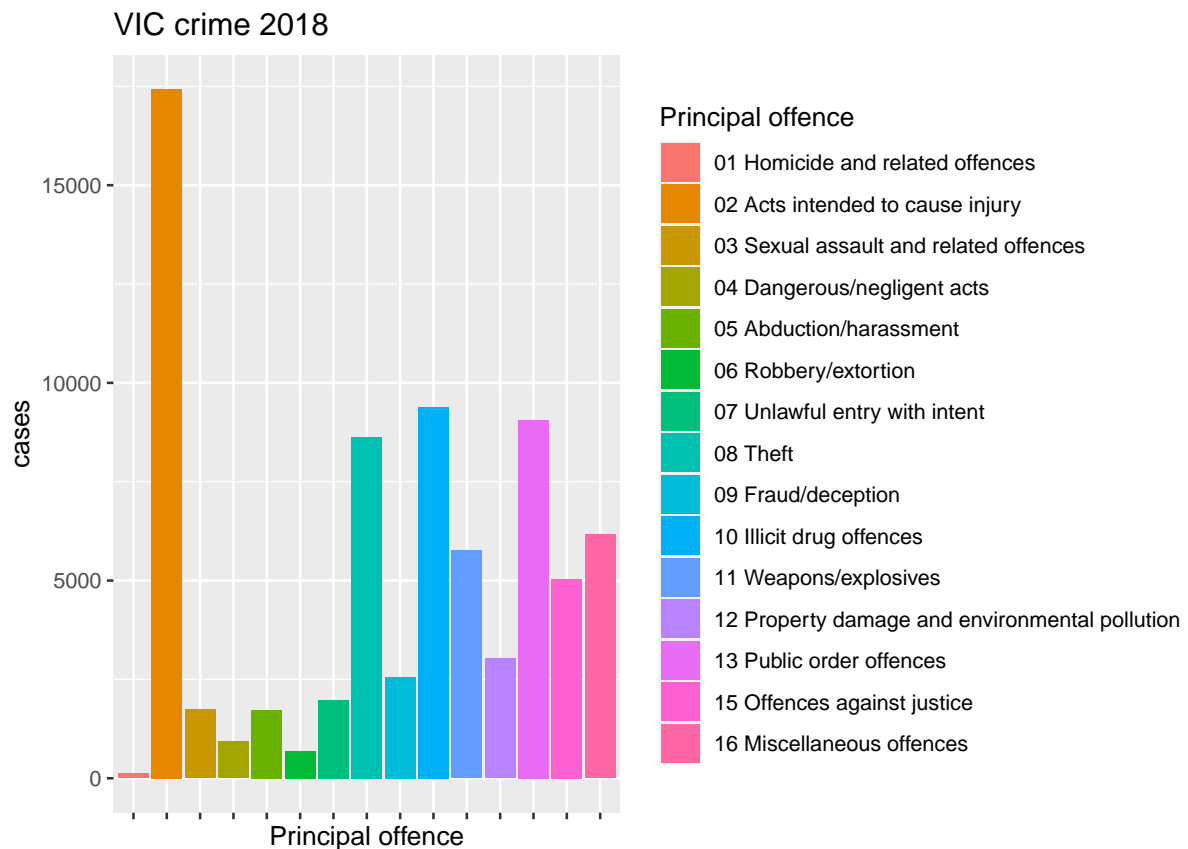


Figure 5: VIC crime 2018

Table 1: (#tab:table3.1)Crime statistics 2018 AU

State	Proportion
NSW	27.8823529
VIC	20.3036936
QLD	23.6136799
SA	11.1898769
WA	10.7370725
TAS	2.6268126
NT	2.9699042
ACT	0.6766074

### 3 Conclusion

### Reference

Lynch, L (2019). Police stats reveal the Queensland island where drug offences are rife.