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**DISCUSSION PAPERS
IN
ECONOMICS**

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**CRIME HETEROGENEITY AND
WELFARE SPENDING:
THEORY AND EMPIRICAL EVIDENCE
BASED ON THE
UNIVERSAL CREDIT SYSTEM**

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REAGAN PICKERING**

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DISCUSSION PAPERS IN ECONOMICS

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**This Working Paper presents work in progress.
The authors would welcome comments and feedback
on the current state
of the research presented here.**

Table B2: Data treatment and frequency conversion

Variables	Original frequency at source	Remarks
<u>Crime incidence data:</u>		
Anti-social behaviour	Individual recorded cases	
Burglary	Individual recorded cases	
Criminal damage & arson	Individual recorded cases	
Drugs	Individual recorded cases	-Cases are aggregated based on their recorded penal code categories to both monthly and annual frequency. Although anonymized, there are geographical tags (latitude/longitude information) recorded to cases and these are assigned to the corresponding Counties/Unitary Authorities using reverse geocoding technique.
Other crime	Individual recorded cases	
Public disorder and weapon possessions	Individual recorded cases	
Robbery	Individual recorded cases	
Theft (includes theft from the person, bicycle theft, & other theft)	Individual recorded cases	
Vehicle crime	Individual recorded cases	
Violent crime	Individual recorded cases	
<u>Other data:</u>		
Universal credit enrolment data	Monthly data	-Original source data is at county/UA level and in monthly frequency.
Benefit expenditure	Annual data	-Original source data is at county/UA level and in annual frequency. For the conversion to monthly frequency, we apply equal weighting by dividing
Population	Annual data	-Original source data is at county/UA level. As it is a stock measure and is mainly used as a denominator in calculating rate measures, the same population is used for all the months within a year.
Gross weekly pay	Annual data	-The same measures are used as controls in both monthly- and annual-based estimations.
Unemployment	Quarterly data	-Original source data is at county/UA level and in quarterly frequency.
Police headcount	Annual data	-Police Force figures are appended according to each corresponding Force's operating boundaries.
Education attainment data	Annual data	-Original source data is at county/UA level.
CPI	Monthly data	-Original source data is at national level, and used to construct inflator/deflator to bring variables to real terms.
Conviction data	Annual data	-Original source data is at Police Force level and annual frequency, appending was conducted according to which Police Force operates in each area using boundary data.
Education attainment data	Annual data	-Original source data is at county/UA level and annual frequency.

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