# INTRODUCTION

Unemployment impacts on ….

So what impacts on unemployment

KEY STAKEHOLDERS

Policy makers – social policies/government policies  
Industry

RESEARCH QUESTIONS

What impacts on unemployment – social factors/economic factors/geographical factors

DATA & MODELLING

See Github

DATA SETS EXAMINED

See Github

REGRESSION MODELLING TECHNIQUES

RISKS AND ISSUES

# APPENDIX

Appendix 1 – Example of Australian Bureau of Statistics Census 2016 data extract R code

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| --- |
| library(rsdmx)  library(tidyverse)  #getwd()  setwd(dirname(rstudioapi::getActiveDocumentContext()$path))  # Check to make sure the ABS folder is available and, if not, create it. Saving # file to right location will fail without the required folder  if (!dir.exists("../Data Files/ABS")) {  create.dir("../Data Files/ABS")  }  # Get the ABS Census 2016 Data on Dwelling Type  dwelling\_data <- as.data.frame(readSDMX(providerId = "ABS", resource = "data", flowRef = "ABS\_C16\_T24\_SA", key = "TOT.TOT+11+21+22+31+32+33+34+91+92+93+94+Z+NA.0+1+2+3+4+5+6+7+8+9.SA2", key.mode = "SDMX", start = 2016, end = 2016))  summary(dwelling\_data)  head(dwelling\_data)  str(dwelling\_data)  # MISSING 9 SA2 Codes  dwelling\_data %>%  distinct(ASGS\_2016)  # Distinct dimension values  dwelling\_data %>%  distinct(DWTD\_2016)  ## Retrieve Metadata to help with decoding values.  dataStructure <- readSDMX("http://stat.data.abs.gov.au/restsdmx/sdmx.ashx/GetDataStructure/ABS\_C16\_T24\_SA")  codeList <- slot(dataStructure, "codelists")  # Dwelling Type  dwelling\_type <- as.data.frame(codeList, codelistId = "CL\_ABS\_C16\_T24\_SA\_STRD\_2016")  # Get Required Data and put in meaningful descriptions  dwelling\_data\_final <- dwelling\_data %>%  inner\_join(dwelling\_type, by = c("STRD\_2016" = "id")) %>%  select(SA2\_CODE = ASGS\_2016  ,DWELLING\_TYPE = label.en  ,obsValue)  #getwd()  write\_csv(dwelling\_data\_final, "../Data Files/ABS/Dwelling\_Type\_SA2\_2016.csv") |