



ETC5513 Project

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Report for
Monash University

10 June 2020

**Econometrics and Business
Statistics**
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Introduction

Motivation

Labour Force Analysis

This section of the report will focus on analysing various aspects of the Israeli labour force. The Israeli labour force has come a long way from being male dominated to being almost equally divided between men and women. The transition of the Israeli labour force shall be explored through the years 1991-2019 in this section of the report.

```
israel_labour <- data_long %>% dplyr::filter(Series %in% c("Labor force, female (% of total labo  
"Ratio of female to male labor force part  
"Labor force participation rate, female (Year %in% c(1991:2019))
```

```
israel_display <- israel_labour %>% pivot_wider(names_from = Series, values_from = value)  
  
kable(head(israel_display), caption = "Variables Summary") %>%  
kable_styling(bootstrap_options = c("striped", "hover", full_width = F)) %>%  
row_spec(0, angle = -90)
```

Table 1 exhibits the variables that have been used in this section of the report and displays the first 5 rows.

Model

Conclusion

Table 1: *Variables Summary*

	Labor force participation rate, female (% of female population ages 15-64) (modeled ILO estimate)	Labor force participation rate, male (% of male population ages 15-64) (modeled ILO estimate)	Wage and salaried workers, female (% of female employment) (modeled ILO estimate)	Self-employed, female (% of female employment) (modeled ILO estimate)	Ratio of female to male labor force participation rate (%) (national estimate)	Labor force, female (% of total labor force)	Year
1991	40.15476	64.92514	5.907	94.093	78.995	53.404	
1992	41.07230	67.01756	5.932	94.068	78.643	55.041	
1993	41.16972	66.97746	5.900	94.100	80.463	56.408	
1994	42.01045	69.15992	5.895	94.105	80.645	58.274	
1995	42.60488	70.61269	5.909	94.091	80.267	59.313	
1996	43.00450	71.47999	6.159	93.841	79.046	59.308	