

The Impact of Course Performance on the Economics Degree Gender Gap*

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Abstract

1

1 Introduction

2 Data

2.1 Figure one and two

2.2 Figure three and four

2.3 Figure five and six

2.4 Figure seven and eight

2.5 Tables

```
## # A tibble: 11,426 x 36
##   student_id micourse microlettergrade micro_repeater micro_grade miclass_size
##   <dbl> <chr>      <chr>                <dbl>      <dbl>      <dbl>
## 1 1723162177 ECON1511~ C+                0        2.33        19
## 2 1723174055 ECON1511~ D-                0        0.670       13
## 3 1723175738 ECON1511~ A                  0         4         13
## 4 1723183138 ECON1511~ C                  0         2         12
## 5 1723280101 ECON1511~ C                  0         2         19
## 6 1723321770 ECON1511~ B                  0         3         46
## 7 1723335086 ECON1511~ B+                0        3.33        29
## 8 1723338264 ECON1511~ B                  0         3         46
## 9 1723354263 ECON1511~ A-                0        3.67        29
## 10 1723360041 ECON1511~ B                 0         3         29
## # ... with 11,416 more rows, and 30 more variables: mipercent_female <dbl>,
## #   micro_aarts <dbl>, micro_age <dbl>, micro_age2 <dbl>,
## #   econ_major_at_entry <dbl>, bus_major_at_entry <dbl>,
```

*Code and data are available at: <https://github.com/YahuiZhangUofT/Gender-Gap-In-Undergraduate-Economics-Course-Persistence>

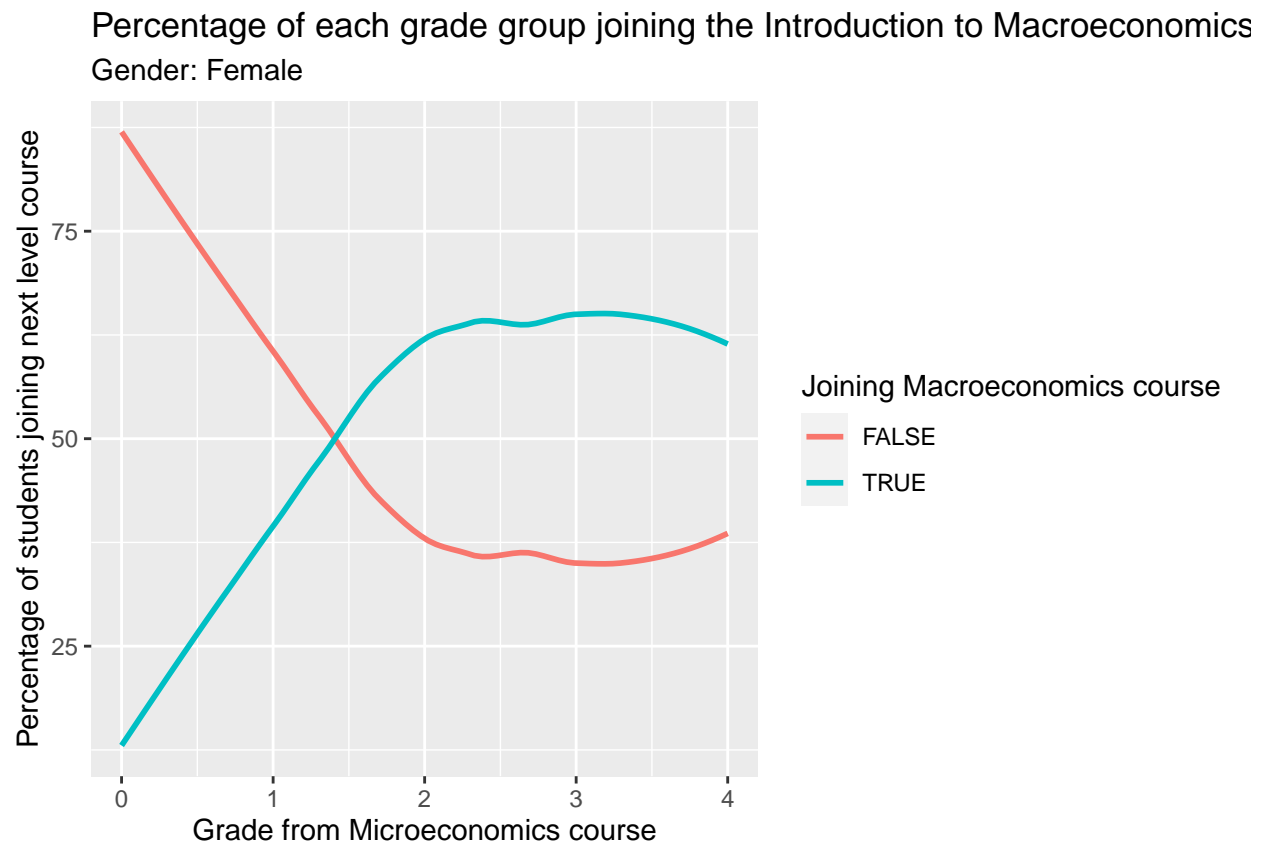


Figure 1: (#fig:F Macro)Percentage of female students joining the Introduction to Macroeconomics course by Microeconomics course grade

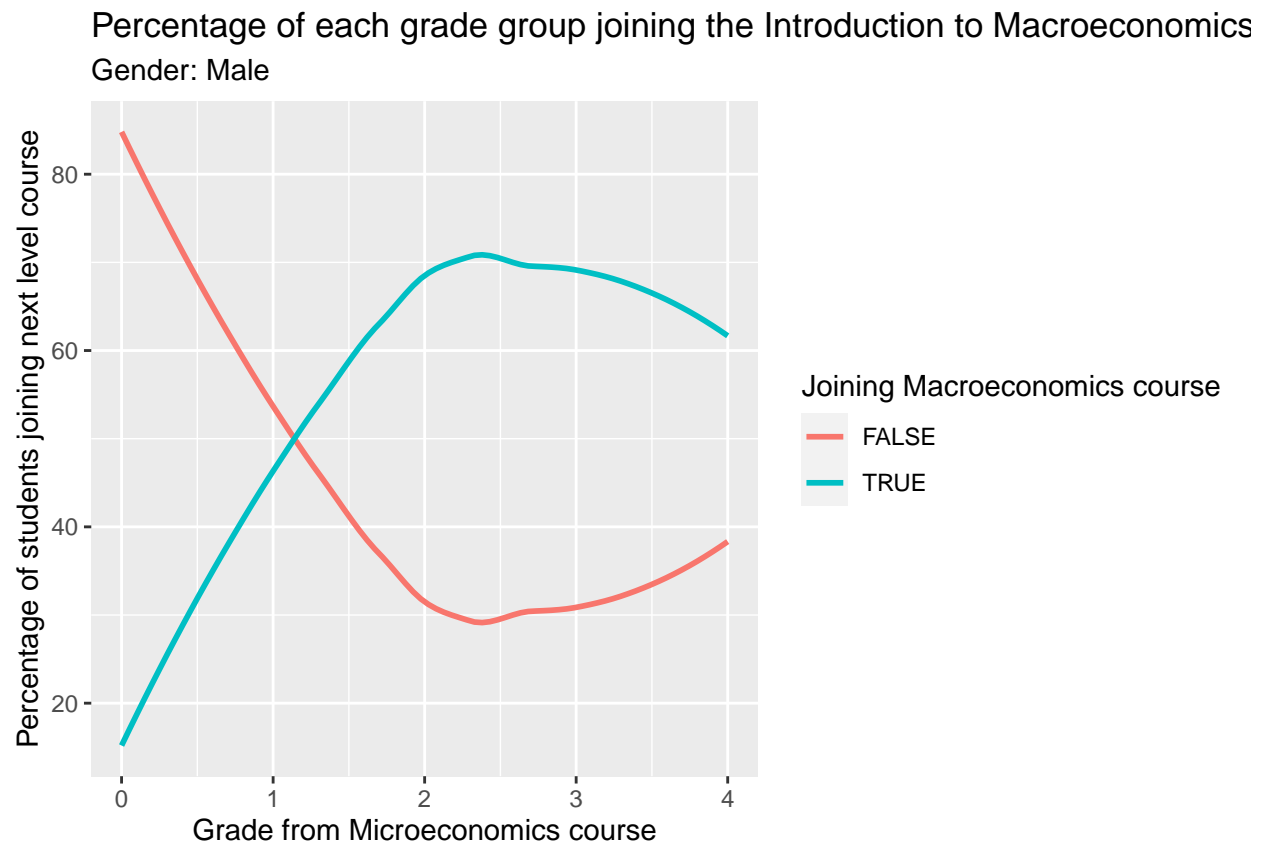


Figure 2: (#fig:M Macro)Percentage of Male students joining the Introduction to Macroeconomics course by Microeconomics course grade

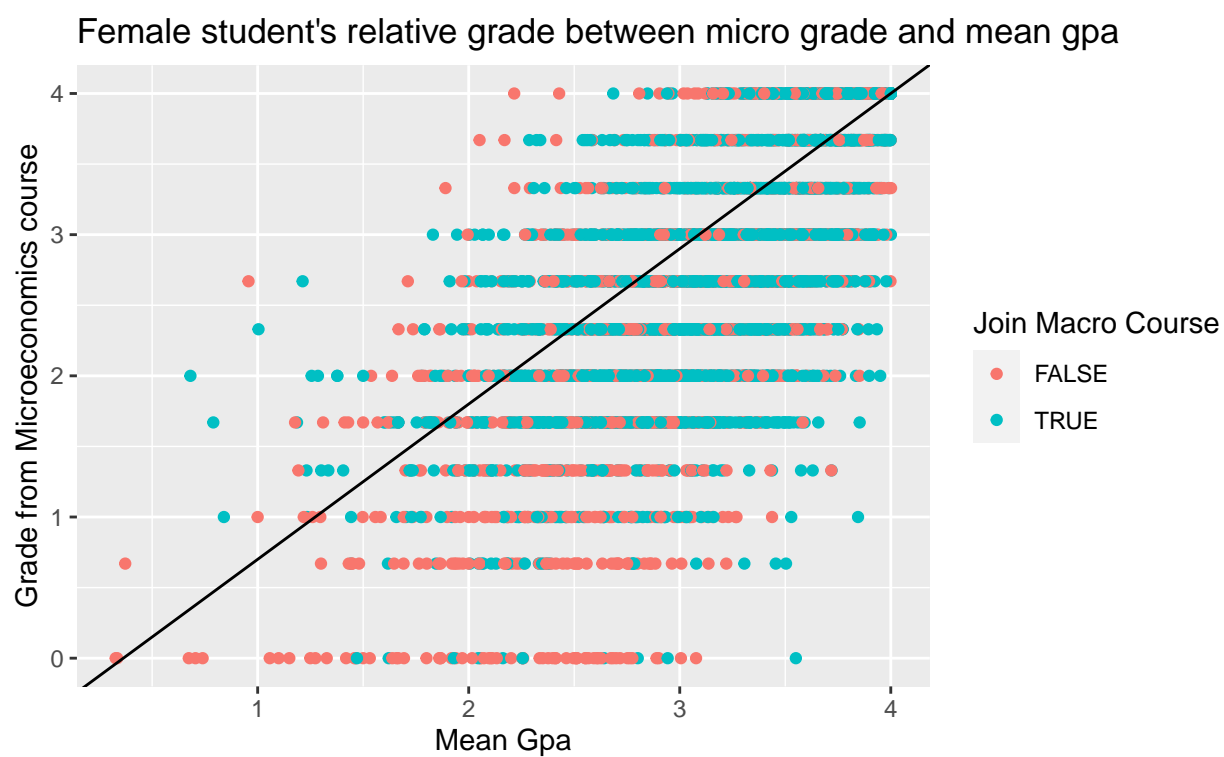


Figure 3: (F RR Marco)Female students' Microeconomics grade vs their Mean Gpa

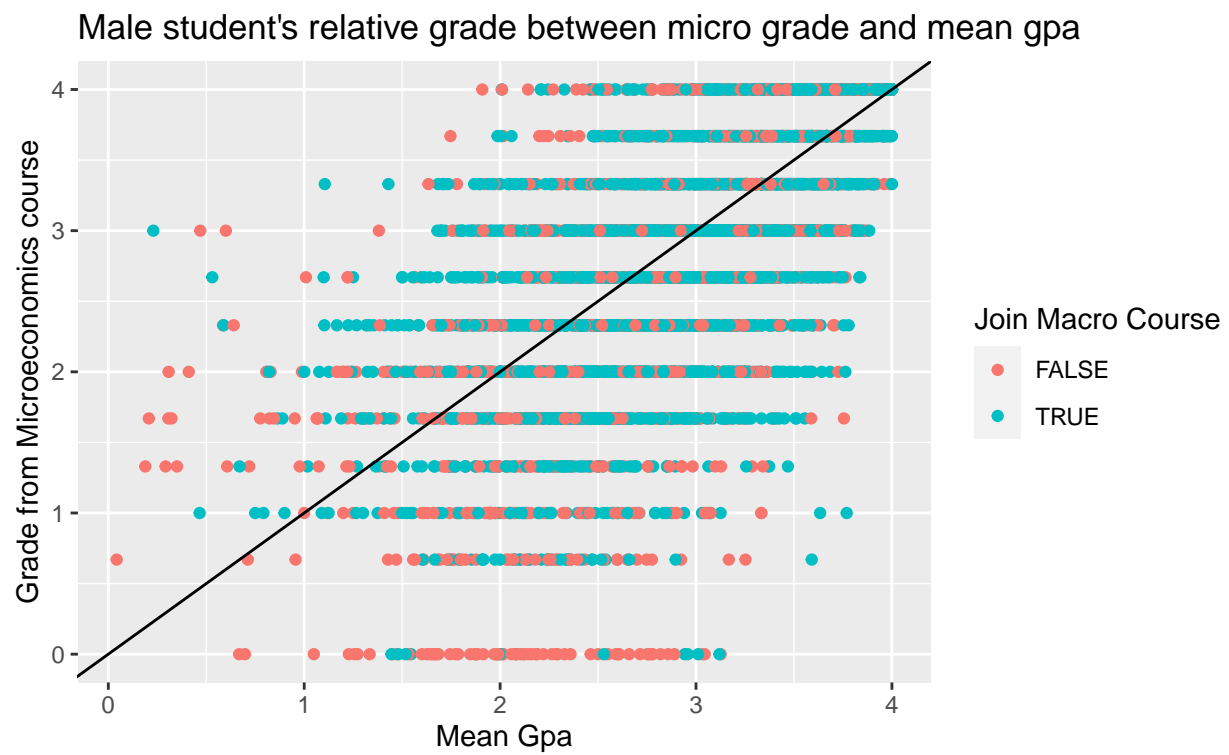


Figure 4: (#fig:M RR Marco)Male students' Microeconomics grade vs their Mean Gpa

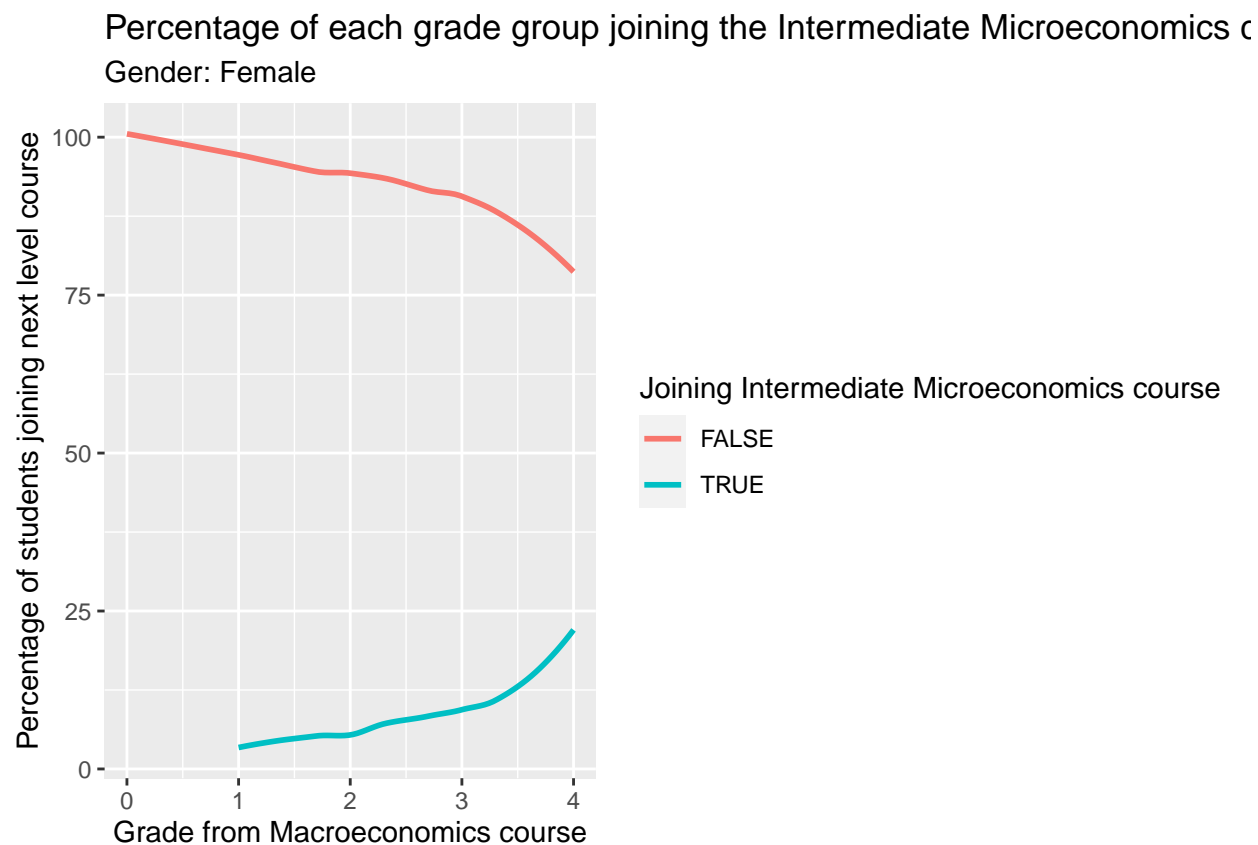


Figure 5: (#fig:F Int)Percentage of female students joining the Intermediate Microeconomics course by Macroeconomics course grade

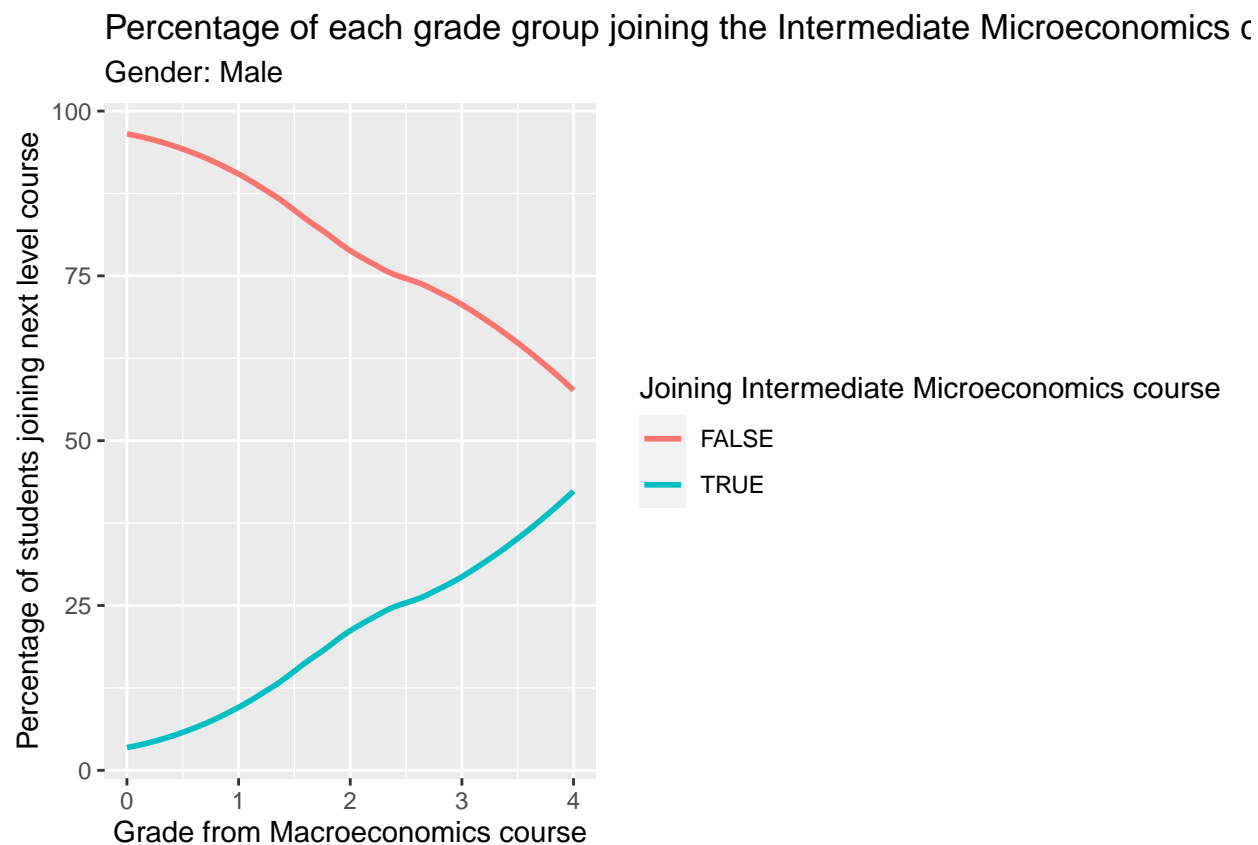


Figure 6: (#fig:M Int)Percentage of male students joining the Intermediate Microeconomics course by Macroeconomics course grade

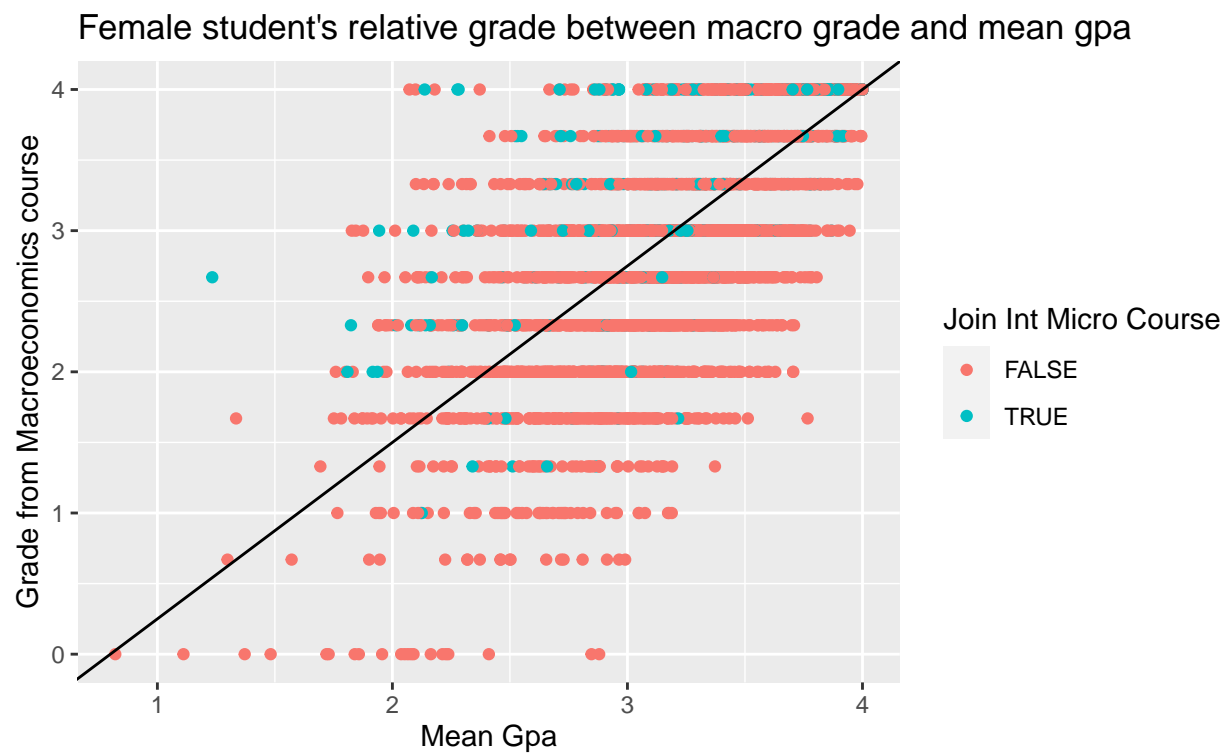


Figure 7: (#fig:F RR Int)Female students' Macroeconomics grade vs their Mean Gpa

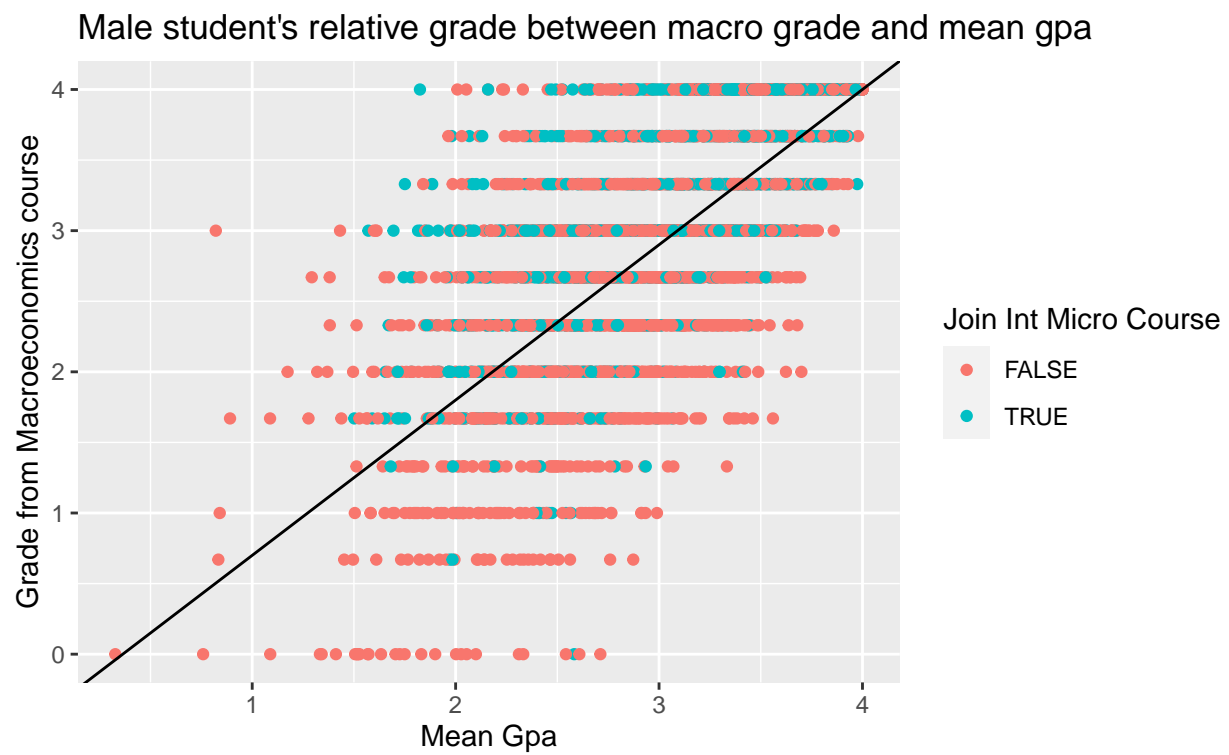


Figure 8: (#fig:M RR Int)Male students' Macroeconomics grade vs their Mean Gpa

```
## # nonlerner_at_entry <dbl>, female <dbl>, minority <dbl>,
## # micro_relative_grade <dbl>, mifem_adjunct <dbl>, mimale_adjunct <dbl>,
## # mifem_prof <dbl>, mimale_prof <dbl>, mifem_gradta <dbl>,
## # mimale_gradta <dbl>, macro_econ <dbl>, sat_math <dbl>, sat_verb <dbl>, ...
```

Table 1: (#tab:tab 1)Macro table

| Gender | Mean grade | Mean Relative Grade |
|--------|------------|---------------------|
| 0 | 2.70 | 0.96 |
| 1 | 2.64 | 0.85 |

```
## # A tibble: 7,121 x 39
##   student_id female minority macro_age macro_age2 macro_class_size
##   <dbl> <dbl> <dbl> <dbl> <dbl> <dbl>
## 1 1723152767     0     0     18     324     39
## 2 1723161070     0     0     20     400    271
## 3 1723161728     0     0     18     324     13
## 4 1723162177     0     0     19     361     28
## 5 1723170527     0     0     20     400    269
## 6 1723172811     0     0     20     400     32
## 7 1723176650     0     0     23     529     40
## 8 1723182262     0     0     20     400    273
## 9 1723182867     0     0     21     441    271
## 10 1723183153     0     0     20     400     28
## # ... with 7,111 more rows, and 33 more variables: macro_percent_female <dbl>,
## # macrolettergrade <chr>, macro_repeater <dbl>, macro_course <chr>,
## # macro_grade <dbl>, macro_aarts <dbl>, econ_major_at_macro <dbl>,
## # bus_major_at_macro <dbl>, nonlerner_at_macro <dbl>,
## # macro_relative_grade <dbl>, mafem_adjunct <dbl>, mamale_adjunct <dbl>,
## # mafem_prof <dbl>, mamale_prof <dbl>, mafem_gradta <dbl>,
## # mamale_gradta <dbl>, macro_econ <dbl>, sat_math <dbl>, sat_verb <dbl>, ...
```

Table 2: (#tab:tab 2)intermediate Micro Table

| Gender | Mean grade | Mean Relative Grade |
|--------|------------|---------------------|
| 0 | 2.86 | 0.98 |
| 1 | 2.87 | 0.90 |

3 References