|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Crime rate (crimes per 1,000 population) | | | | Police deployment (hours worked per  1,000 population) | | |
|  | Pre-period | | Post-period | Difference  (post-pre) | Pre-period | Post-period | Difference  (post-pre) |
| Treatment | 4.333 | | 3.838 | -0.495 | 180.5 | 254.96 | 74.46 |
| Control | 2.006 | | 1.98 | -0.026 | 83.29 | 86.42 | 3.13 |
| DD estimate |  |  | | -0.469 |  | | 71.33 |

**Applied Econometrics (6SSMN961)**

**Coursework**

1. a

The DD estimate (δPDD) of the effect of the terrorist attacks on police deployment is equal to 71.33 (δPDD = 71.33), the DD estimate (δCDD) of the effect of the terrorist attacks on crime is equal to -0.469 (δCDD= -0.469). Their respective standard errors are equal to 6.209 and 0.122 (σP =6.209 and σC=0.122)