1. Calculate the ATT
   1. How many ATT(g,t) are there?
   2. Overall ATT using uniform weights over all ATT(gmt)
   3. Overall ATT by weighting over ATT(g)
2. Fill out the following table with estimates using.
   1. TWFE
   2. CS
   3. SA
   4. BJS

**Dynamic treatment effects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Overall ATT** | **TWFE** | **CS** | **SA** | **BJS** |
| Treatment | 82 | -6.69\*\*\* |  |  |  |

**Dynamic treatment effects (pre-2004 sample)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Overall ATT** | **TWFE** | **CS** | **SA** | **BJS** |
| Treatment | 68.33 |  | 68.34\*\*\* |  |  |

**Constant treatment effects**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Overall ATT** | **TWFE** | **CS** | **SA** | **BJS** |
| Treatment | 7 | 7.00\*\*\* |  |  |  |

OLS (twoway fixed effects) with DiD models and differential timing does not obey a “no sign flip property”.