

SO =

struct with fields:

```

        name: "Simulation options in 'aSimOptions.m'"
    SetEndoParams: 2

```

SO =

struct with fields:

```

        name: "Simulation options in 'aSimOptions.m'"
    SetEndoParams: 2
    AfterRefMainTax: 0.3200
    lowercompliance: 0
        LoadData: 1
        FirmOptions: 3
    SimScenarios: 1
        PreSimul: 0
    NumberofSectors: 3
    plotcheckfig: 0
        initguess: 0
        prodknown: 0

```

Data =

struct with fields:

```

        name: 'Data moments'
    TaxGDP: 0.1819
    TaxWw: 0.2638
    TaxWw0: 0.2456
    OtherTaxWw: 0.0181
        L: 83989270
    GDP_L: 44.1620
    W_GDP: 0.5721
    w_GDP: 0.5177
    InfGDP: 0.1501
    InfL: 0.4255
    TaxYVA_j: [0.0488 0.4851 0.0938]
    TaxWw0_j: [0.1669 0.2735 0.2393]
        L_j: [13137526 12178492 58673252]
    VAj_Lj: [19.7120 71.0079 44.0643]
    FormVAjLj: [31.9874 90.8716 62.4246]
    InfVAjLj: [14.3630 9.7041 16.7865]
    WVA_j: [0.3518 0.5627 0.5897]
    wVA_j: [0.3174 0.5026 0.5370]
    InfVA_j: [0.5075 0.0334 0.1533]
    InfL_j: [0.6965 0.2447 0.4023]
    VAj_GDP: [0.0698 0.2331 0.6970]

```

```

        ExitRate_j: [0.1560 0.1351 0.1654]
        Investment_GOS: 0.6917
        Consumption_FinalDemand_jE: 0.8556
        n_empForm_j: {3×1 cell}
        n_firmForm_j: {3×1 cell}
        empForm_j: [0 3525468 11500433]
        emp_max_j: [0 14191 25753]
        Nf_j: [1 69586 577693]
        empForm_num_j: [26000×3 double]
        empForm_freq_j: [26000×3 double]
        empForm_cdf_j: [26000×3 double]
        empForm_f_j: {[ ] [69586×1 double] [577693×1 double]}
        Ne: 26000
        nu0e: 6
        xi0e_j: [0 0.6088 0.8359]

```

```
figforcheck =
```

```
0
```

```
figforcheck =
```

```
0
```

```
zeta_j =
```

```
0.0644    0.2903    0.6453
```

```
Gov =
```

```
struct with fields:
```

```

        name: "Government, revenues and transfers"
        T: 5.1370e+06
        TaxWVA_j: [0.1239 0.0849 0.1176]
        TaxYVA_j: [0.0488 0.4334 0.1165]
        TaxWGDP: 0.1093
        TaxYGDP: 0.1961
        InfGDP_j: [0 0.0372 0.1539]
        SimpGDP_j: [0 0.1245 0.1263]
        TaxYSimp_TaxY_j: [0 0.0576 0.1135]
        GDP: 1.6818e+07
        InfGDP: 0.1112
        SimpGDP: 0.1164
        VA_j: [1.2544e+06 4.4917e+06 1.1072e+07]
        VAj_Lj: [3.0272 3.6497 2.4076]

```

```
Hous =
```

struct with fields:

```
        name: "Households, GDP shares"
        wagesGDP: 0.5025
        profitsGDP: 0.1920
        trGDP: 0.3054
        incomeGDP: 1.0000
        pc_jGDP: [0.0644 0.2903 0.6453]
        pcGDP: 1.0000
        c_j: [1.0832e+06 4.8828e+06 1.0852e+07]
        Consumption_FinalDemand_jE: 0
```

Model\_meanLfirm =

130.2970

Data\_meanLfirm =

23.2139

Model\_meanLfirm\_j =

0 314.3878 110.9165

Data\_meanLfirm\_j =

0 50.6635 19.9075

Model\_GDPsh\_j =

0.0746 0.2671 0.6583

Data\_GDPsh\_j =

0.0698 0.2331 0.6970

Model\_shTForm\_lessthannue =

0 0.5027 0.5980

Data\_shTForm\_lessthannue =

0 0.4472 0.6250

Model\_xie\_j =

0	1.1545	0.8473
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Data\_xi0e\_j =

0	0.6088	0.8359
---	--------	--------

Model\_shNTForm\_j =

0.0000	0.0952	0.9047
--------	--------	--------

Data\_shNTForm\_j =

0.0000	0.1075	0.8925
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Model\_InfVA\_j =

0	0.0372	0.1539
---	--------	--------

Data\_InfVA\_j =

0.5075	0.0334	0.1533
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Model\_shfirms\_SimpTForm\_j =

0	0.9842	0.5799
---	--------	--------

Data\_shfirms\_SimpTForm\_j =

0	0.6847	0.5520
---	--------	--------

Model\_TaxYSimp\_TaxY\_j =

0	0.0576	0.1135
---	--------	--------

Data\_TaxYSimp\_TaxY\_j =

0	0.0180	0.0890
---	--------	--------

Model\_FormallLaborProductivity2\_3 =

1.5470

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 Moments: model (before tax reform) x data
 

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	Model	Data
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Mean employees by firm, formal and SIMPLES:	130	23
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 Moments, all firms: model (before tax reform) x data
 

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Sector	1.Agro	2.Manuf	3.Serv
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VAj / GDP

Model	7.5%	27%	66%
Data	7%	23%	70%

VAj / Lj, relative to j=2

Model	0%	100%	66%
Data	0%	100%	62.1%

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 Moments, all formal firms: model (before tax reform) x data
 

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Sector	1.Agro	2.Manuf	3.Serv
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Number of firms with 1 to 5 employess / number of firms

Model	0%	50%	60%
Data	0%	45%	62%

Firm size Pareto distribution, shape parameter, 6 or more employees

Model	0	1.15	0.847
Data	0	0.609	0.836

Number of firms sector j/ number of firms

Model	0%	9.5%	90%
Data	0%	11%	89%

Mean employees by firm, formal and SIMPLES:

Model	0	3.1e+02	1.1e+02
Data	0	51	20

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Moments, informal and SIMPLES: model (before tax reform) x data

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Sector      1.Agro    2.Manuf    3.Serv

Informal firms

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Indirect taxes<sub>j</sub> / VA<sub>j</sub>

Model	4.9%	43%	12%
Data	4.9%	49%	9.4%

Informal VA<sub>j</sub> / VA<sub>j</sub>

Model	0%	3.7%	15%
Data	51%	3.3%	15%

SIMPLES firms

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Number of SIMPLES firms in <sub>j</sub> / Number of formal firms in <sub>j</sub>

Model	0%	98.4%	58%
Data	0%	68%	55%

Production taxes in SIMPLES / Production taxes

Model	0%	5.76%	11.3%
Data	0%	1.8%	8.9%

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Number of firms

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Sector      2.Manuf    3.Serv

Formal:	57	14387
Informal:	9380	65757
SIMPLES:	3548	19856

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Elapsed time is 12.436228 seconds.

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