**ANN**

Default, 20 nodes

All X & Y columns

|  |  |
| --- | --- |
|  |  |
|  |  |

4)

Y = 7 (total panel area)

20 nodes

Default everything else

|  |  |
| --- | --- |
|  |  |
|  |  |

5)

Y = 7 (total panel area)

10 nodes

Default everything else

|  |  |
| --- | --- |
|  |  |
|  |  |

5)

Y = 7 (total panel area)

30 nodes

Default everything else

|  |  |
| --- | --- |
|  |  |
|  |  |

5)

Y = 7 (total panel area)

Xgeo

10 nodes

Default everything else

|  |  |
| --- | --- |
|  |  |
|  |  |

6)

X all

Y all

25 nodes

Default everything else

|  |  |
| --- | --- |
|  |  |
|  |  |

7)

Xall

Y7

10 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

8)

Xall

Y7

25 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

9)

Xall

Y7

5 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

Xgeo

Y7

Default

|  |  |
| --- | --- |
|  |  |
|  |  |

Xemploy

Y7

Default

|  |  |
| --- | --- |
|  |  |
|  |  |

Xenergy

Y7

Default

|  |  |
| --- | --- |
|  |  |
|  |  |

Xall

Y7 (preprocessed-cleaner Y)

Default

|  |  |
| --- | --- |
|  |  |
|  |  |

Xall

Y7 (preprocessed-cleaner Y)

20 nodes

Default

|  |  |
| --- | --- |
|  |  |
|  |  |

Xall

Yall

10 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

Xall

Yall

5 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

**PCA on X dataset 🡪 41 variables in X**

**Y dataset 🡪 number of solar system per household, solar panel area/district area, solar panel area per capita**

XPCA

Y (all 3)

10 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

20 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  | All 3 R2 are similar (good sign) |

XPCA

Y (all 3)

30 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

25 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

15 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

25 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

5 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

**CENTER & SCALE**

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household, solar panel area/district area, solar panel area per capita

XPCA

Y (all 3)

25 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

15 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

10 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

5 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

20 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

XPCA

Y (all 3)

30 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

**CENTER & SCALE**

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household, ~~solar panel area/district area, solar panel area per capita~~

10 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household

15 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household

25 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household

20 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household

30 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

PCA on X dataset 🡪 41 variables in X

Y dataset 🡪 number of solar system per household

5 nodes

Defaults

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

**Y 🡪 solar panel area/district area**

10 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area/district area

20 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area/district area

30 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area/district area

15 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area/district area

25 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area/district area

5 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

**Y 🡪 solar panel area per capita**

10 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area per capita

20 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area per capita

30 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area per capita

15 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area per capita

25 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |

C&S

XPCA

Y 🡪 solar panel area per capita

5 nodes

|  |  |
| --- | --- |
|  |  |
|  |  |