**Disease Data**

**Imputation 1**

Model:

crude\_diabetes\_prevalence\_male

ratio\_of\_diabetes\_to\_overweight\_prevalence

deaths\_no\_access\_to\_handwashing\_facility\_sex\_both\_age\_70\_number

male\_lung\_cancer\_deaths\_per\_100\_000\_who\_iarc\_2016

dementia\_ihme\_2017

cardiovascular\_diseases\_ihme\_2017

kidney\_disease\_ihme\_2017

respiratory\_disease\_ihme\_2017

liver\_disease\_ihme\_2017

diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017

hepatitis\_ihme\_2017

meningitis\_ihme\_2017

cancers\_ihme\_2017

parkinsons\_disease\_ihme\_2017

prevalence\_of\_obesity\_male\_who\_2019

Sig:

|  |  |  |
| --- | --- | --- |
| crude\_diabetes\_prevalence\_male | 0.000241 | -18.18 |
| cardiovascular\_diseases\_ihme\_2017 | 0.006590 | -0.3295 |
| meningitis\_ihme\_2017 | 0.000268 | -7.4250 |
| prevalence\_of\_obesity\_male\_who\_2019 | 0.000293 | 7.4185 |

**Imputation 2**

crude\_diabetes\_prevalence\_male

ratio\_of\_diabetes\_to\_overweight\_prevalence

deaths\_no\_access\_to\_handwashing\_facility\_sex\_both\_age\_70\_number

male\_lung\_cancer\_deaths\_per\_100\_000\_who\_iarc\_2016

dementia\_ihme\_2017

cardiovascular\_diseases\_ihme\_2017

kidney\_disease\_ihme\_2017

respiratory\_disease\_ihme\_2017

liver\_disease\_ihme\_2017

diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017

hepatitis\_ihme\_2017

meningitis\_ihme\_2017

cancers\_ihme\_2017

parkinsons\_disease\_ihme\_2017

prevalence\_of\_obesity\_male\_who\_2019

Sig:

|  |  |  |
| --- | --- | --- |
| crude\_diabetes\_prevalence\_male | 6.79x10^{-5} | -22.5940 |
| dementia\_ihme\_2017 | 0.01371 | -4.0285 |
| cardiovascular\_diseases\_ihme\_2017 | 6.33e-05 | -0.5101 |
| diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017 | 0.00149 | 0.8372 |
| meningitis\_ihme\_2017 | 0.00162 | -7.0309 |
| prevalence\_of\_obesity\_male\_who\_2019 | 4.05e-06 | 9.1522 |

**Imputation 3**

crude\_diabetes\_prevalence\_male

ratio\_of\_diabetes\_to\_overweight\_prevalence

deaths\_no\_access\_to\_handwashing\_facility\_sex\_both\_age\_70\_number

male\_lung\_cancer\_deaths\_per\_100\_000\_who\_iarc\_2016

dementia\_ihme\_2017

cardiovascular\_diseases\_ihme\_2017

kidney\_disease\_ihme\_2017

respiratory\_disease\_ihme\_2017

liver\_disease\_ihme\_2017

diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017

hepatitis\_ihme\_2017

meningitis\_ihme\_2017

cancers\_ihme\_2017

parkinsons\_disease\_ihme\_2017

prevalence\_of\_obesity\_male\_who\_2019

Sig:

|  |  |  |
| --- | --- | --- |
| crude\_diabetes\_prevalence\_male | 0.001878 | -14.4950 |
| dementia\_ihme\_2017 | 0.039513 | -3.1190 |
| cardiovascular\_diseases\_ihme\_2017 | 7.19e-05 | -0.4916 |
| liver\_disease\_ihme\_2017 | 0.019633 | 2.2.5375 |
| meningitis\_ihme\_2017 | 0.003527 | -5.6102 |
| prevalence\_of\_obesity\_male\_who\_2019 | 0.000119 | 7.7405 |

**Imputation 4**

crude\_diabetes\_prevalence\_male

ratio\_of\_diabetes\_to\_obesity\_prevalence

deaths\_no\_access\_to\_handwashing\_facility\_sex\_both\_age\_70\_number

male\_lung\_cancer\_deaths\_per\_100\_000\_who\_iarc\_2016 dementia\_ihme\_2017

cardiovascular\_diseases\_ihme\_2017 kidney\_disease\_ihme\_2017

respiratory\_disease\_ihme\_2017 liver\_disease\_ihme\_2017

diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017

hepatitis\_ihme\_2017 meningitis\_ihme\_2017 cancers\_ihme\_2017

parkinsons\_disease\_ihme\_2017

**Sig:**

|  |  |  |
| --- | --- | --- |
| ratio\_of\_diabetes\_to\_obesity\_prevalence | 6.88e-06 | -149.4844 |
| cardiovascular\_diseases\_ihme\_2017 | 3.66e-06 | -0.5364 |
| kidney\_disease\_ihme\_2017 | 0.03466 | 3.1292 |
| hepatitis\_ihme\_2017 | 0.00467 | 41.5377 |
| meningitis\_ihme\_2017 | 5.48e-05 | -11.4645 |

**Imputation 5**

crude\_diabetes\_prevalence\_male ratio\_of\_diabetes\_to\_overweight\_prevalence

deaths\_no\_access\_to\_handwashing\_facility\_sex\_both\_age\_70\_number

male\_lung\_cancer\_deaths\_per\_100\_000\_who\_iarc\_2016 dementia\_ihme\_2017

cardiovascular\_diseases\_ihme\_2017 kidney\_disease\_ihme\_2017

respiratory\_disease\_ihme\_2017 liver\_disease\_ihme\_2017

diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017

hepatitis\_ihme\_2017 meningitis\_ihme\_2017 cancers\_ihme\_2017

parkinsons\_disease\_ihme\_2017

prevalence\_of\_obesity\_male\_who\_2019

Sig:

|  |  |  |
| --- | --- | --- |
| crude\_diabetes\_prevalence\_male | 0.000236 | -22.6671 |
| cardiovascular\_diseases\_ihme\_2017 | 1.38e-05 | -0.5754 |
| liver\_disease\_ihme\_2017 | 0.002427 | 3.5831 |
| diabetes\_blood\_and\_endocrine\_disease\_ihme\_2017 | 0.000520 | 0.9787 |
| meningitis\_ihme\_2017 | 0.000736 | -7.6833 |
| prevalence\_of\_obesity\_male\_who\_2019 | 1.18e-06 | 10.7676 |