

Financial Statistics

Report

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I. EXECUTIVE SUMMARY

This report provides an analysis of taxation using statistical methods, including descriptive statistics, confidence intervals, hypothesis testing, and regression modeling. The objective is to uncover income patterns, tax deduction behaviors, and demographic trends to provide insight that can inform financial strategies and policy decisions.

Significant aspects of the analysis indicate a gender-based income disparity, with males earning substantially more than females. The hypothesis testing was implemented to confirm this inequality, and also revealed a statistically significant difference between male and female incomes. Furthermore, the use of professional tax services also correlates with higher deductions, as agent-lodged returns consistently outperform self-prepared returns in terms of claimable amounts. The hypothesis test shows that tax agents secure significantly higher deductions to reinforce the financial advantage of professional tax preparation. These findings highlight the financial advantages of professional tax preparation and underline the need to address income inequality between genders.

Confidence intervals further support these conclusions by providing reliable estimates for average taxable income and deductions. The interval for technicians and trades workers suggests a high variability in earnings, which reflects diverse work conditions in this sector. In contrast, the confidence interval for deductions points to a narrower spread, indicating consistent application of tax rules across lodgments.

The correlation and regression analysis reveal a weak relationship between age and income, suggesting that age alone is not a significant predictor of financial performance. This highlights the need to consider other factors—such as education, occupation, and industry—when developing financial models or policy frameworks.

Overall, the insights from this report offer a roadmap for policymakers, financial advisors, and taxpayers. Promoting the use of professional tax agents can improve financial outcomes for individuals; while addressing gender-based income disparities remain a priority for fostering equity in the labor market. Additionally, expanding future research to include more variables will enhance the understanding of income determinants and improve financial forecasting models.

These findings provide a valuable basis for developing targeted strategies that promote financial efficiency, tax compliance, and equity. The insights gained will enable better-informed policy decisions and help optimize financial planning at both individual and organizational levels.

II. INTRODUCTION

This report analyzes a dataset of 1,000 randomly selected tax lodgments to explore financial behaviors, income patterns, deductions, and demographic factors. Of the 10 variables, 9 are analyzed, including taxable income, deductions, gender, age, occupation, lodgment methods, private health insurance, and partner status, to identify trends and measure disparities like gender income gaps and the impact of professional tax services.

The report includes an executive summary, introduction, detailed analysis, conclusion, and appendices with data visualizations and code for transparency. Statistical methods—descriptive statistics, confidence intervals, hypothesis testing, and regression modeling—are used to uncover relationships and patterns, with visualizations generated in Excel and Python to enhance understanding.

Key analyses include confidence intervals to estimate taxable income for Technicians and Trades Workers and total deductions, along with hypothesis tests on income differences by gender and deduction levels based on tax preparation methods. Correlation and regression modeling assess the relationship between age and income to figure out how age influences financial outcomes.

This report combines statistical insights with visualizations to support data-driven decisions, promote equity, and improve financial outcomes for individuals and organizations.

III. ANALYSIS

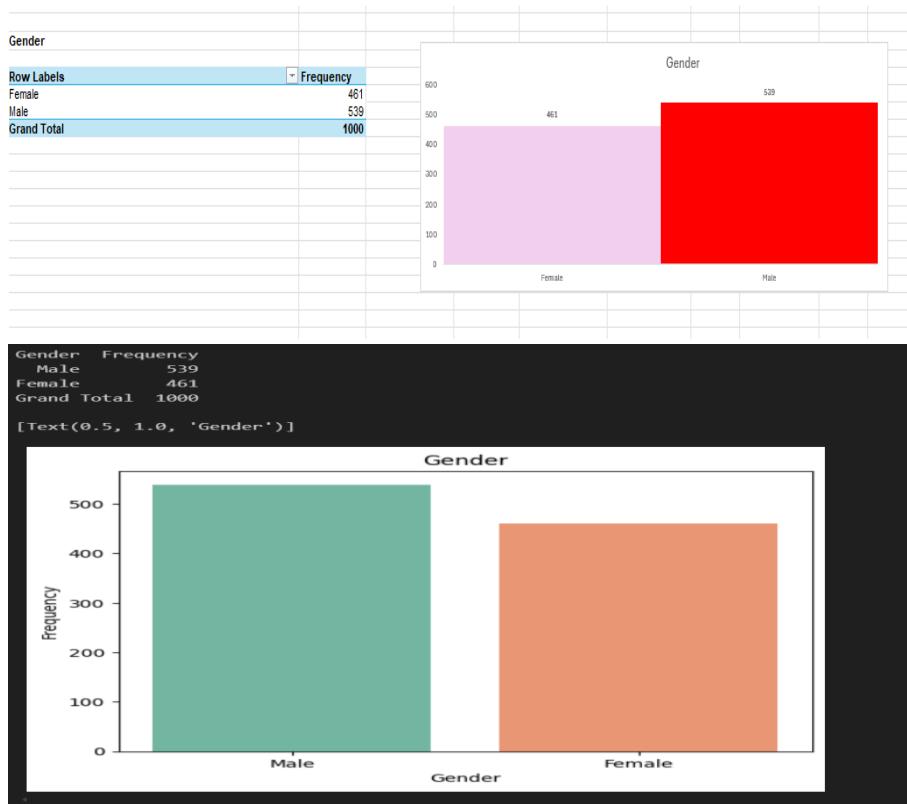
1. Select a random sample

A random sample of 1,000 lodgments was drawn from a total of 258,774 entries in the dataset, *Major Assignment data Taxation Sem 2 2024*, using Excel's RAND function. Each lodgment was assigned a random number, and the dataset was sorted in ascending order based on these values. The first 1,000 entries from the sorted list were selected as the sample for analysis. This approach ensured that every lodgment had an equal chance of selection to promote fairness and representativeness in the sample.

2. Descriptive statistics

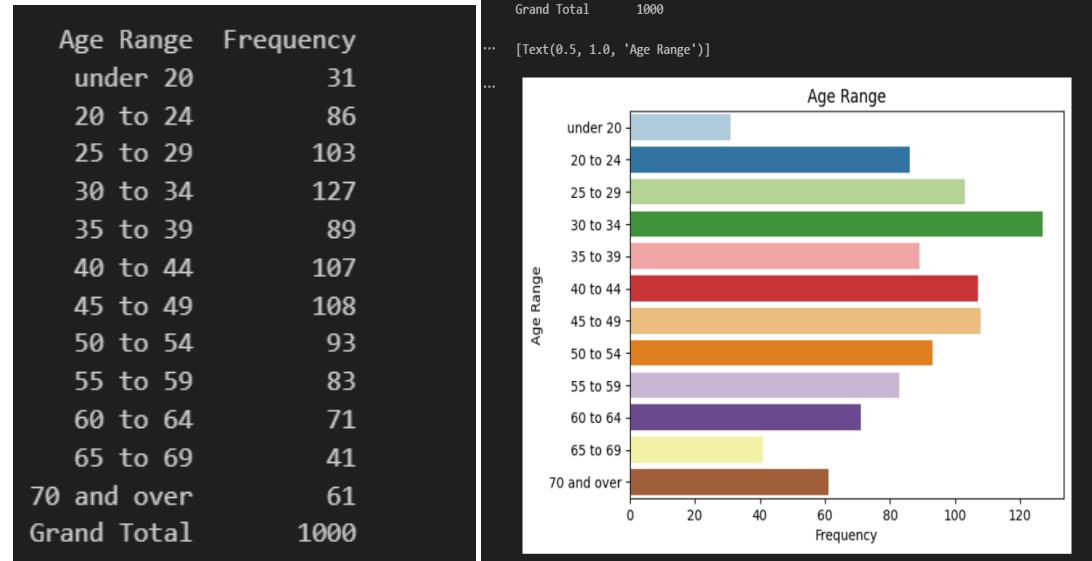
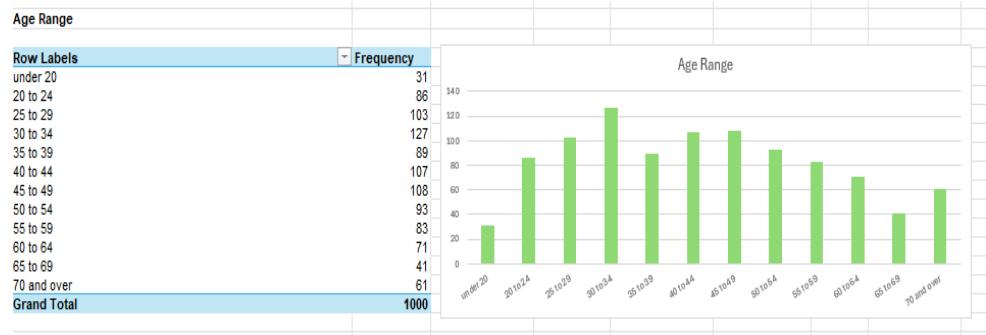
In descriptive statistics task, each variable will have frequency tables, descriptive statistics tables and graph that generated by Python.

Gender:



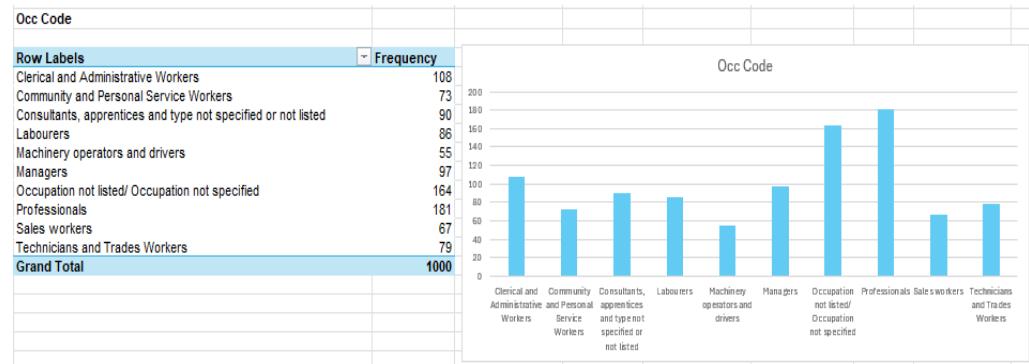
This indicates a slightly higher frequency of males (539) compared to females (461) in the sample. The visualization provided shows the gender distribution in bar charts to emphasize this slight skew toward male participants.

Age Range:



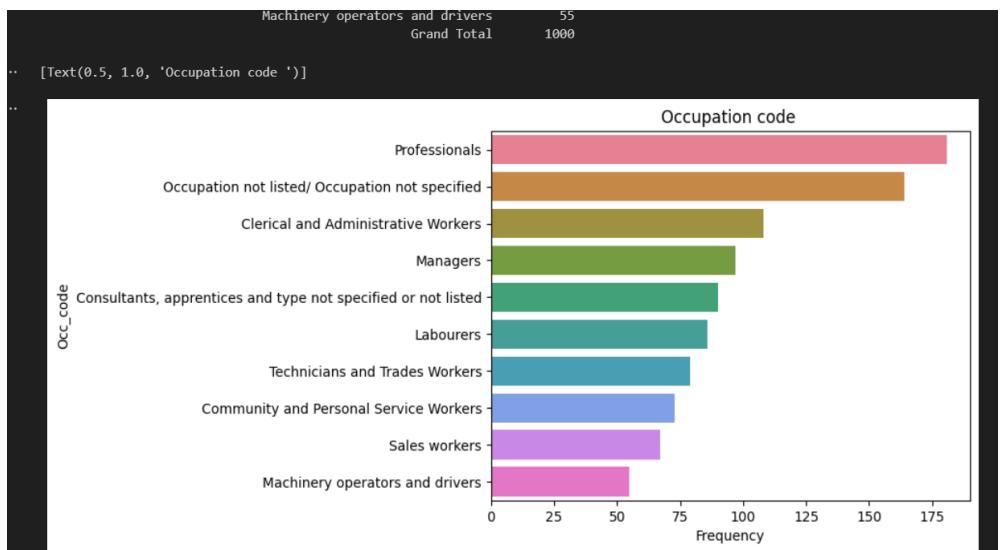
The age range variable reveals that most participants are in their prime working years, with the largest group being 30-34 years (127 individuals), followed by 35-39 (107) and 45-49 (108). Younger participants (under 20) account for 31, while 61 individuals are aged 70 and above.

Occupation Code:



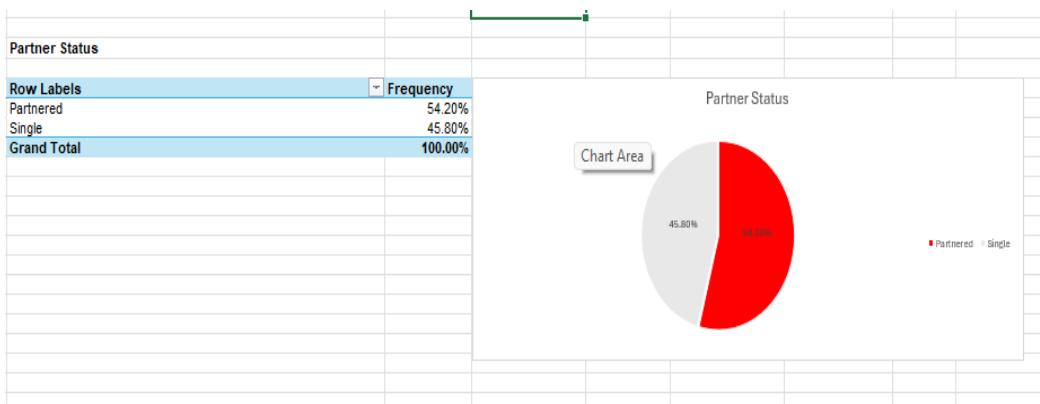
Occ_code	Frequency
Professionals	181
Occupation not listed/ Occupation not specified	164
Clerical and Administrative Workers	108
Managers	97
Consultants, apprentices and type not specified or not listed	90
Labourers	86
Technicians and Trades Workers	79
Community and Personal Service Workers	73
Sales workers	67
Machinery operators and drivers	55
Grand Total	1000

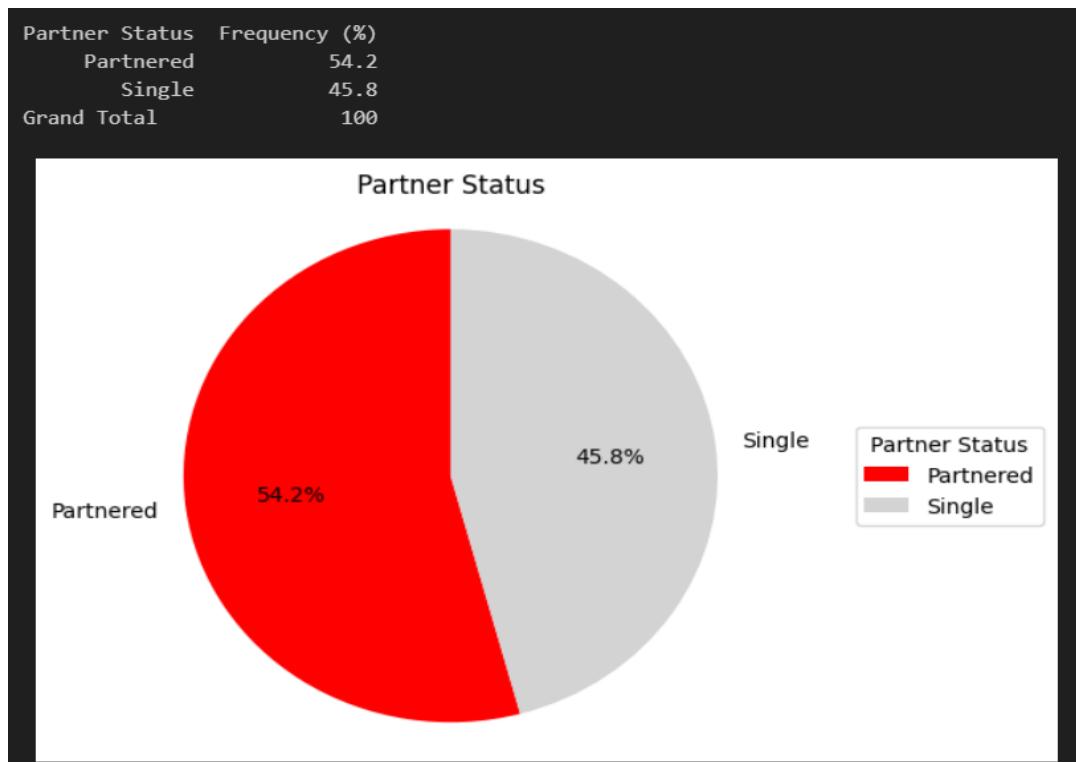
... [Text(0.5, 1.0, 'Occupation code ')]



The occupational distribution highlights that Professionals form the largest group with 181 individuals, followed by unspecified occupations (164) and Clerical and Administrative Workers (108). Managers (97) and Labourers (86) also feature prominently, with Technicians and Trades Workers making up 79 participants.

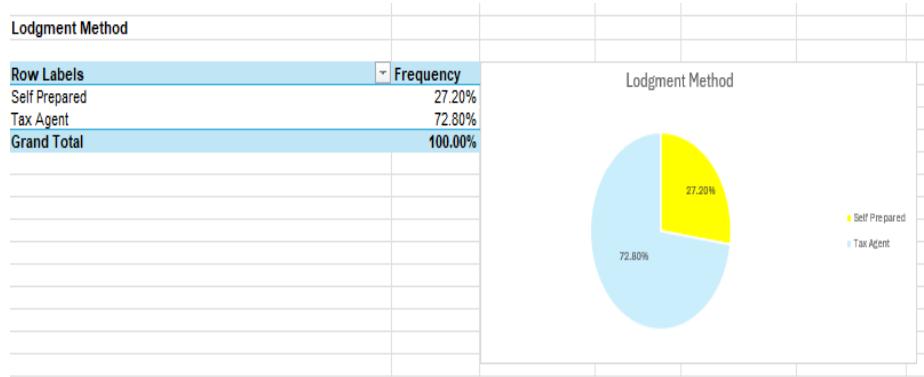
Partner Status:

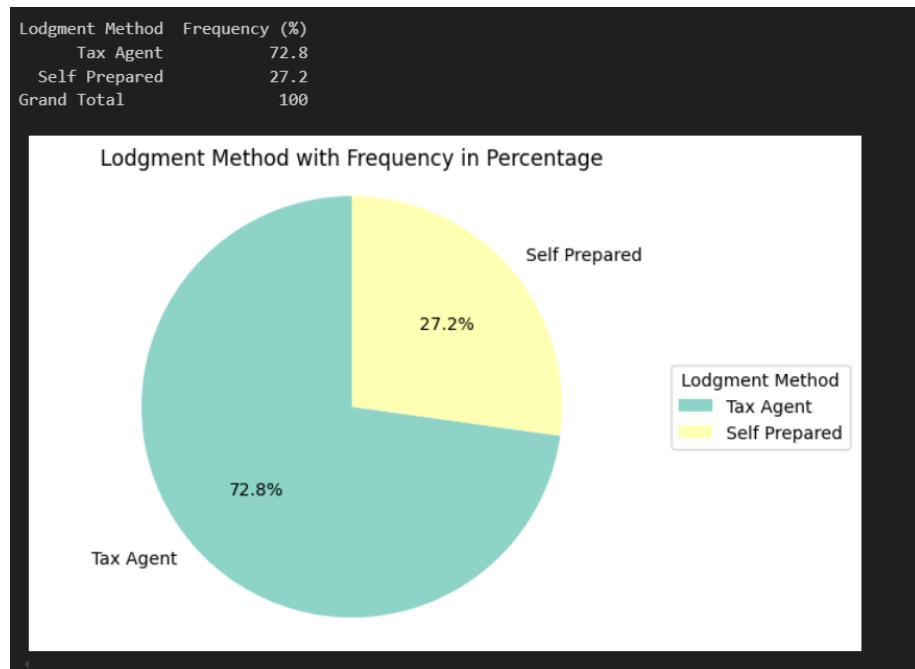




The partner status variable indicates that 54.2% of participants are partnered, while 45.8% are single. This near-even split reflects a balanced representation of individuals with and without partners, which could be a factor in understanding financial behavior such as household income and expenditure patterns.

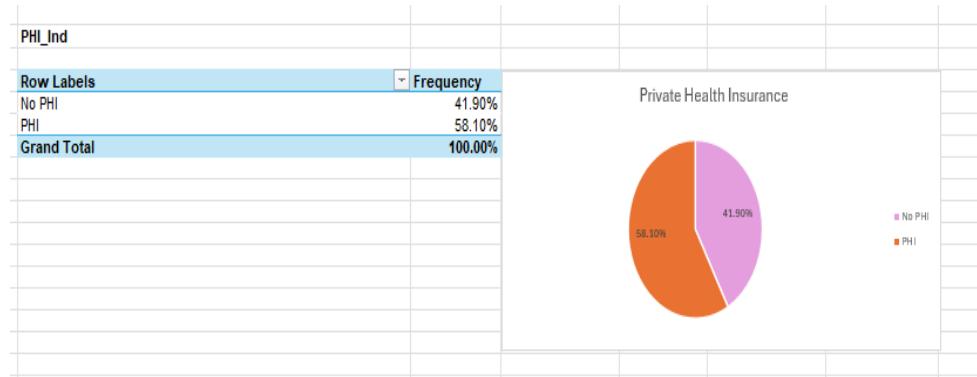
Lodgment Method:





The lodgment method variable reveals that most participants (72.8%) used a tax agent to lodge their returns, with only 27.2% lodging returns by themselves. This demonstrates a strong preference for professional tax services, possibly due to their role in maximizing deductions, as explored in further analyses.

Private Health Insurance:



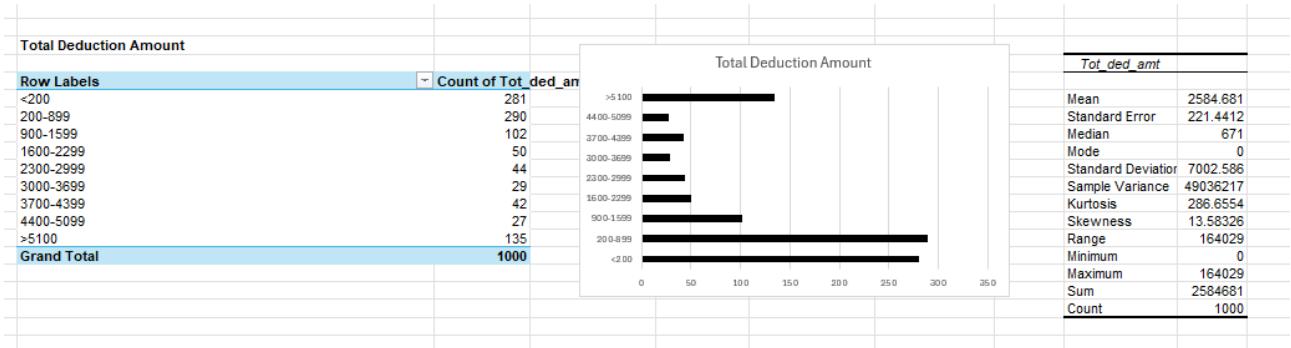
Private health insurance data shows that 58.1% of participants hold private health insurance (PHI), while 41.9% do not. This pattern suggests a majority preference toward private health insurance and also potentially reflects higher income groups prioritizing health coverage.

Total Income Amount:



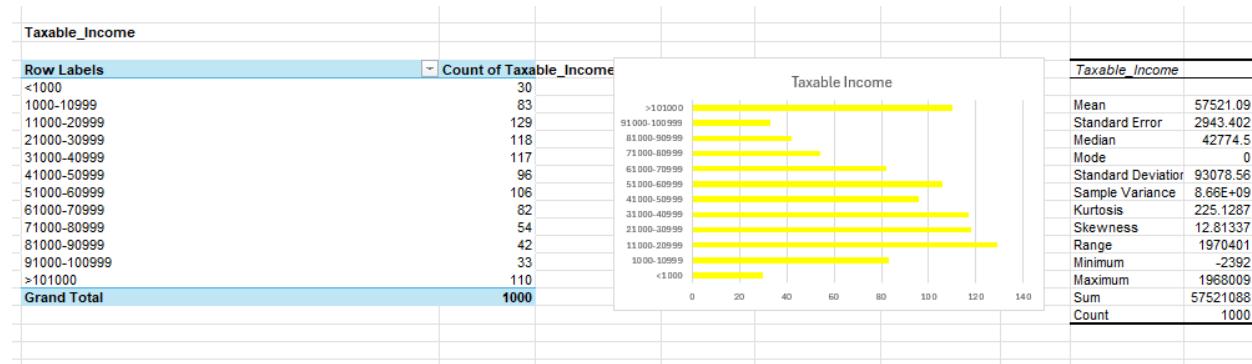
The total income analysis reveals a skew towards lower-income brackets, with 266 participants earning between \$5,000 and \$29,999, and 255 participants in the \$30,000 to \$54,999 range. The average income is around \$60,000, but extreme outliers inflate the upper range, with income levels spanning from -\$2,318 to \$2,123,038, indicating significant disparity.

Total Deduction Amount:



The total deduction amount distribution shows that most participants fall within the \$200 to \$899 range, with 290 individuals, followed by 281 participants claiming deductions under \$200. The average deduction is \$2,584.68, with a standard deviation of \$7,002.59, reflecting considerable variability. Deductions range from \$0 to \$164,029, highlighting diverse financial situations among taxpayers.

Taxable Income:



The taxable income distribution reveals that the largest group earns between \$11,000 and \$20,999, with 129 individuals, followed by 118 participants in the \$21,000 to \$30,999 range. The average taxable income is \$57,521.09, with significant variability, as indicated by a standard deviation of \$93,078.56. The range spans from -\$2,392 to \$1,968,009, suggesting the presence of extreme outliers.

3. Dashboard



The dashboard provides a comprehensive visual summary of the 1,000 tax lodgments. It displays gender distribution (53.9% male, 46.1% female), average income by age group, and deductions by gender and age group. A comparison of taxable income by occupation and partner status shows higher earnings among partnered individuals. Additionally, a chart illustrates that individuals with private health insurance tend to have higher incomes.

Interactive slicers for gender, age, occupation, partner status, health cover, and lodgment method allow for detailed exploration of trends, offering a dynamic view of financial behaviors and patterns.

4. Confidence Intervals

Using 95 percent confidence intervals, this section evaluates the average taxable income for Technicians and Trades Workers and the total allowable deductions for all sample lodgments. These intervals are compared with population means to assess the representativeness of the samples.

We are 95% confident that the average taxable income for Technicians and Trades Workers falls between \$52,904.44 and \$74,325.92. The sample mean is \$63,615.18, and the population mean is \$63,384.05. The alignment between the population mean and the interval suggests that the sample provides a reliable estimate of the taxable income for this group.

We are 95% confident that the total allowable deductions across all lodgments lie between \$2,150.14 and \$3,019.22. The sample mean for deductions is \$2,584.68, and the population mean is \$2,594.15. Since the population mean is within the

confidence interval, the sample offers an accurate reflection of the population's deduction behavior.

5. Hypothesis Testing

The following hypothesis tests were conducted to evaluate assumptions about total deductions and taxable income, employing a significance level of 0.05 and assuming equal variances.

Hypothesis 1:

This hypothesis assesses whether tax agent-lodged returns claim higher total deductions on average compared to self-prepared returns.

- Null Hypothesis (H_0): The mean total deductions for tax agent-lodged returns are less than or equal to those for self-prepared returns.
- Alternative Hypothesis (H_A): The mean total deductions for tax agent-lodged returns are greater than those for self-prepared returns.

The one-tailed t-test with equal variances aimed to detect if tax agent-lodged returns had higher deductions than self-prepared ones.

The t-statistic of 3.796 exceeds the critical value of 1.646, with a p-value of 7.80×10^{-5} , which is below the significance threshold of 0.05. Hence, we reject the null hypothesis. Therefore, there is sufficient evidence that the mean total deductions for tax agent-lodged returns are greater than those for self-prepared returns

Hypothesis 2:

This hypothesis explores whether there is a difference in average taxable income between males and females.

- Null Hypothesis (H_0): The mean taxable income for males is equal to the mean taxable income for females.
- Alternative Hypothesis (H_A): There is a difference in mean taxable income between males and females.

A two-tailed t-test with equal variances was used to detect any difference in average taxable income between males and females.

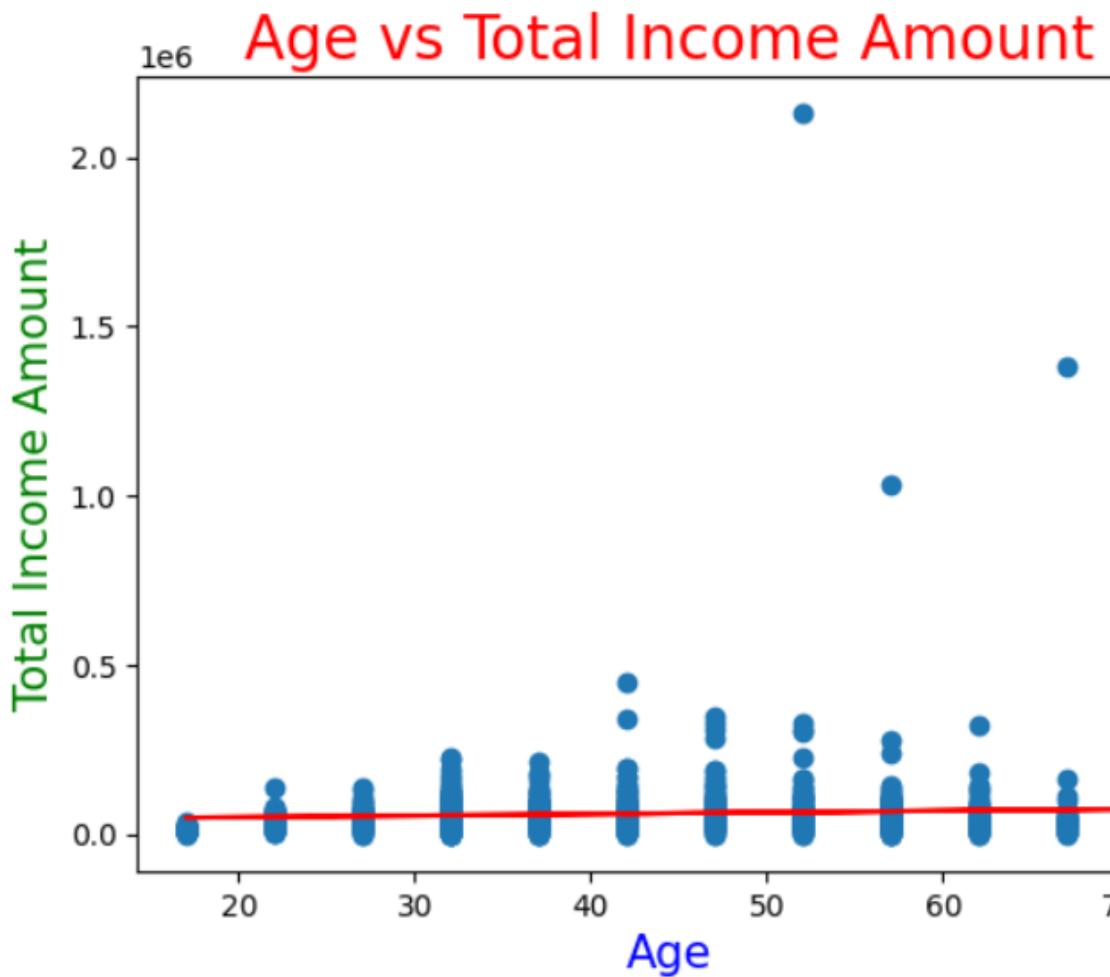
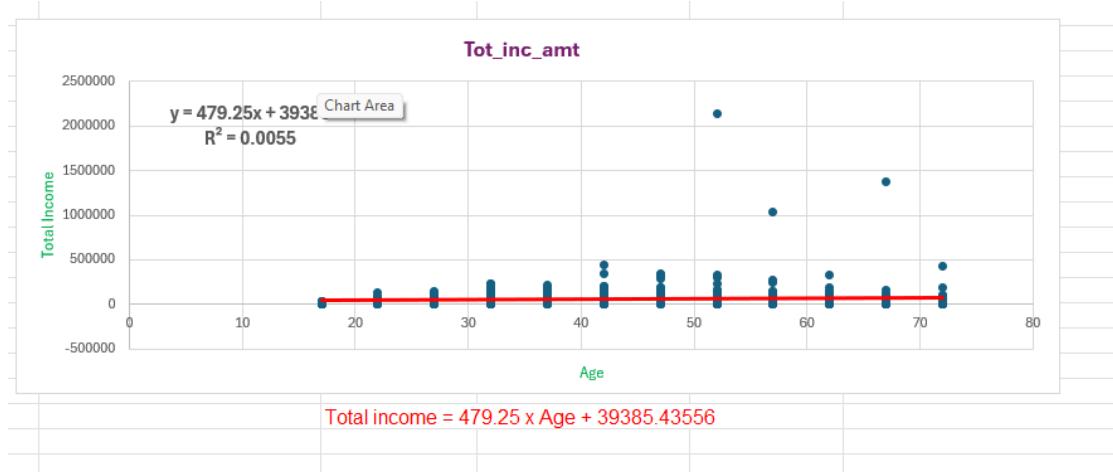
The t-statistic of -4.972 lies outside the critical range of ± 1.962 , and the p-value of 7.78×10^{-8} is smaller than 0.05. Hence, we reject the null hypothesis. Therefore, there is sufficient evidence that there is a difference in mean taxable income between males and females.

6. Correlation and regression

This section investigates the relationship between total income amount and age range by employing both scatterplots and regression analysis. Using Excel and Python, the

objective is to construct a regression model to predict total income based on the age of the lodger.

Based on the sample with the size of 1000 lodgments, the regression model is generated as below:



The scatterplot illustrates the association between total income and age, with a fitted regression line to visualize the trend. Observing the plot, there is minimal visible association between the variables, suggesting a weak relationship. The computed correlation coefficient (r) is 0.0744, which is very

close to zero. This indicates a weak positive linear relationship between age and total income, so age has little impact on income. With the coefficient of determination (R^2) is just 0.005, it means that only a small percentage of income variability is explained by age then age is not a significant predictor of total income.

The regression equation derived from the model is as follows:

$$\text{Total Income} = 479.25 \times \text{Age} + 39385.44$$

- Intercept (α): 39385.44, representing the expected total income when the age is zero.
- Slope (β): 479.25, indicating that for every one-year increase in age, total income is expected to increase by \$479.25, holding other factors constant.

The null hypothesis (H_0) states that the slope (β) is zero, implying no relationship between age and total income:

$$H_0: \beta = 0 \text{ vs. } H_A: \beta \neq 0$$

Using a t-test to evaluate the significance of the slope:

- t-statistic: 2.36
- t-critical: ± 1.962 (at a 5% significance level)
- p-value: 0.0187

Since the t-statistic exceeds the critical value and the p-value is less than 0.05, we reject the null hypothesis. Thus, there is sufficient evidence that there is a linear relationship between age and total income. This indicates that there is a statistically significant, albeit weak, relationship between age and total income.

IV. CONCLUSION

This study analyzed 1,000 tax lodgments to uncover key insights into income patterns, deduction behaviors, and demographic factors. The dashboard visualizations highlighted disparities in income between genders and differences in deduction claims between self-prepared and tax agent-lodged returns.

Descriptive statistics revealed variability in income, with most deductions falling within a narrow range. A slight gender imbalance was noted for income distribution.

Confidence interval analysis confirmed the sample's representativeness, as intervals for taxable income among Technicians and Trades Workers and total deductions aligned with population means.

Hypothesis testing showed that tax agent-lodged returns significantly claimed higher deductions than self-prepared returns. It also confirmed income differences between genders, with males reporting higher earnings. These results suggest tax agents can enhance deduction optimization, and future studies could include additional variables like education level or industry to provide deeper insights.

Regression analysis found a weak positive relationship between age and total income, with a low R^2 of 0.005, indicating age has minimal impact on income variability. Other factors, likely not captured in this study, play a more significant role.

While these findings provide meaningful insights for tax policy and financial planning, some limitations remain. The sample size, though significant, may not fully capture certain demographics, such as high-income earners. Assumptions like equal variances in hypothesis testing simplify the analysis but may not always align with real-world scenarios. Additionally, the weak correlation between age and income suggests the need to incorporate more variables, such as education or industry, for a deeper understanding.

Despite these limitations, this study offers a strong starting point for understanding the factors shaping tax outcomes and financial behaviors, while identifying areas for future exploration to support equitable and effective tax policies.

V. Appendices

Appendix 1 (Random Sample):

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
2	56068	Male	40 to 44	Managers	Partnered	Tax Agent	PHI	194466	705	193761	1.37503E-06
3	137336	Male	40 to 44	Professionals	Partnered	Tax Agent	PHI	126664	5027	121637	1.58725E-06
4	138374	Female	45 to 49	Clerical and A	Partnered	Tax Agent	No PHI	35777	583	35194	8.97123E-06
5	147542	Female	35 to 39	Machinery op.	Partnered	Tax Agent	PHI	124753	291	124462	9.59703E-06
6	20399	Female	65 to 69	Community ar	Single	Tax Agent	PHI	39106	808	38298	1.22106E-05
7	245928	Male	20 to 24	Professionals	Single	Self Prepared	PHI	62853	0	62853	1.25617E-05
8	183653	Male	70 and over	Occupation nc	Partnered	Tax Agent	No PHI	0	0	0	1.57846E-05
9	145058	Female	30 to 34	Community ar	Partnered	Tax Agent	PHI	83130	9861	73269	2.02506E-05
10	208375	Male	70 and over	Professionals	Partnered	Self Prepared	PHI	27418	0	27418	2.85212E-05
11	213422	Male	50 to 54	Occupation nc	Single	Tax Agent	No PHI	28330	275	28055	2.91212E-05
12	140769	Female	40 to 44	Clerical and A	Partnered	Tax Agent	PHI	741	0	741	4.13815E-05
13	63683	Female	55 to 59	Labourers	Partnered	Tax Agent	No PHI	1493	0	1493	4.28776E-05
14	165032	Male	25 to 29	Labourers	Single	Tax Agent	No PHI	12813	0	12813	5.9246E-05
15	64310	Female	45 to 49	Professionals	Partnered	Tax Agent	PHI	16488	0	16488	7.18714E-05
16	114160	Male	30 to 34	Professionals	Partnered	Tax Agent	PHI	50820	3514	47306	7.22073E-05
17	30794	Male	45 to 49	Labourers	Partnered	Tax Agent	No PHI	102403	10565	91838	8.22638E-05
18	142528	Female	35 to 39	Professionals	Single	Self Prepared	PHI	52946	1402	51544	9.05069E-05
19	143565	Male	45 to 49	Professionals	Partnered	Tax Agent	PHI	144411	3175	141236	9.0679E-05
20	217533	Male	60 to 64	Occupation nc	Partnered	Tax Agent	PHI	131447	13629	117818	9.14333E-05
21	139952	Male	20 to 24	Consultants, a	Single	Self Prepared	No PHI	72278	324	71954	0.000111337
22	35307	Male	50 to 54	Occupation nc	Single	Tax Agent	PHI	119649	34835	84814	0.000116995
23	221836	Female	55 to 59	Occupation nc	Partnered	Tax Agent	PHI	49208	43	49165	0.000117237
24	14196	Male	60 to 64	Occupation nc	Partnered	Tax Agent	PHI	24336	2698	21638	0.000122166
25	23498	Male	45 to 49	Machinery op.	Single	Tax Agent	No PHI	27066	1135	25931	0.000122589
26	162694	Female	20 to 24	Professionals	Single	Self Prepared	PHI	21380	0	21380	0.000123481
27	183137	Male	70 and over	Consultants, a	Partnered	Self Prepared	No PHI	15546	0	15546	0.000127075
28	216125	Female	55 to 59	Sales workers:	Partnered	Tax Agent	PHI	39721	805	38916	0.000135191
29	44794	Male	40 to 44	Managers	Single	Self Prepared	No PHI	44705	1365	43340	0.000141499
30	226518	Male	40 to 44	Professionals	Partnered	Self Prepared	No PHI	55991	265	55726	0.000141521
31	56153	Male	40 to 44	Professionals	Single	Tax Agent	PHI	145891	929	144962	0.000147426
32	65421	Male	55 to 59	Professionals	Partnered	Tax Agent	No PHI	96452	865	95587	0.000148794
33	129907	Male	30 to 34	Technicians	a Single	Tax Agent	No PHI	36859	1916	34943	0.000152079
34	178041	Male	30 to 34	Professionals	Partnered	Self Prepared	PHI	222396	276	222120	0.000177663
35	35509	Male	40 to 44	Occupation nc	Partnered	Tax Agent	PHI	39728	0	39728	0.000185397
36	171681	Female	55 to 59	Occupation nc	Partnered	Tax Agent	PHI	357	0	357	0.000189901
37	149508	Male	45 to 49	Technicians	a Partnered	Tax Agent	No PHI	65334	4976	60358	0.00019186
38	40230	Male	40 to 44	Occupation nc	Partnered	Tax Agent	PHI	93484	0	93484	0.000195474
39	182987	Female	70 and over	Occupation nc	Partnered	Tax Agent	PHI	44197	166	44031	0.000206634

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
38	40230	Male	40 to 44	Occupation nc	Partnered	Tax Agent	PHI	93484	0	93484	0.000195474
39	182987	Female	70 and over	Occupation nc	Partnered	Tax Agent	PHI	44197	166	44031	0.000206634
40	252078	Female	25 to 29	Labourers	Single	Tax Agent	No PHI	29040	4127	24913	0.000208842
41	78700	Female	50 to 54	Professionals	Partnered	Tax Agent	PHI	69897	3977	65920	0.00021272
42	37504	Male	40 to 44	Machinery op.	Single	Tax Agent	No PHI	63010	1554	61456	0.000213296
43	246772	Male	20 to 24	Technicians	a Single	Tax Agent	No PHI	20470	274	20196	0.000214458
44	170306	Female	25 to 29	Community ar	Single	Tax Agent	PHI	48887	3112	45775	0.000217634
45	88602	Male	60 to 64	Occupation nc	Partnered	Tax Agent	PHI	2	0	2	0.000223884
46	1316	Male	70 and over	Occupation nc	Partnered	Tax Agent	PHI	45052	1285	43767	0.000228488
47	151652	Female	45 to 49	Clerical and A	Single	Tax Agent	No PHI	96114	3414	92700	0.000229906
48	88800	Male	70 and over	Occupation nc	Single	Tax Agent	No PHI	2555	0	2555	0.000236698
49	130131	Female	30 to 34	Professionals	Partnered	Self Prepared	PHI	32558	1423	31135	0.000242359
50	29575	Male	50 to 54	Occupation nc	Partnered	Tax Agent	PHI	33234	6414	26820	0.00024335
51	137945	Male	30 to 34	Managers	Partnered	Tax Agent	No PHI	30883	4557	26326	0.000251528
52	195619	Female	45 to 49	Professionals	Single	Self Prepared	PHI	77138	2627	74511	0.000259889
53	48698	Male	40 to 44	Sales workers:	Partnered	Tax Agent	PHI	45523	1092	44431	0.000262345
54	174008	Female	30 to 34	Managers	Partnered	Self Prepared	PHI	60482	2864	57618	0.000265129
55	248365	Female	35 to 39	Professionals	Single	Tax Agent	No PHI	63030	1927	61103	0.00026721
56	72051	Male	35 to 39	Community ar	Partnered	Tax Agent	PHI	89624	1796	87828	0.000267284
57	170496	Female	50 to 54	Labourers	Single	Tax Agent	No PHI	30637	708	29929	0.000271595
58	38293	Female	40 to 44	Consultants, a	Single	Tax Agent	No PHI	52153	770	51383	0.000284057
59	40702	Male	40 to 44	Managers	Partnered	Tax Agent	No PHI	75822	1198	74624	0.000286565
60	240729	Female	20 to 24	Sales workers:	Single	Self Prepared	PHI	28930	94	28836	0.000302535
61	29469	Female	65 to 69	Professionals	Single	Tax Agent	PHI	31367	1042	30325	0.000303642
62	251538	Male	20 to 24	Labourers	Single	Self Prepared	PHI	13012	0	13012	0.000304224
63	258450	Male	20 to 24	Consultants, a	Single	Tax Agent	PHI	70081	421	69660	0.000310863
64	207975	Male	65 to 69	Occupation nc	Single	Self Prepared	PHI	35864	9030	26834	0.000314726
65	209444	Female	60 to 64	Sales workers:	Partnered	Tax Agent	PHI	45761	7267	38494	0.000321279
66	136261	Male	30 to 34	Professionals	Single	Self Prepared	PHI	74872	990	73882	0.000321754
67	87654	Male	60 to 64	Consultants, a	Single	Tax Agent	No PHI	24693	416	24277	0.000325797
68	177295	Female	25 to 29	Professionals	Single	Self Prepared	PHI	61176	0	61176	0.00032616
69	120182	Male	30 to 34	Community ar	Partnered	Self Prepared	PHI	60745	1106	59639	0.000332432
70	240045	Female	40 to 44	Clerical and A	Partnered	Tax Agent	PHI	46404	3620	42784	0.000336865
71	145561	Female	25 to 29	Community ar	Single	Tax Agent	PHI	65999	5822	60177	0.00033756
72	112586	Female	35 to 39	Professionals	Partnered	Self Prepared	PHI	33827	560	33267	0.000339085
73	196728	Male	40 to 44	Managers	Partnered	Tax Agent	No PHI	45697	0	45697	0.000339678
74	203725	Male	55 to 59	Managers	Partnered	Tax Agent	PHI	125038	5414	119624	0.000343788
75	233860	Male	25 to 29	Clerical and A	Single	Tax Agent	No PHI	9768	0	9768	0.000343914

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
74	203725	Male	55 to 59	Managers	Partnered	Tax Agent	PHI	125038	5414	119624	0.000343788
75	233860	Male	25 to 29	Clerical and A Single	Single	Tax Agent	No PHI	9768	0	9768	0.000343914
76	9995	Female	60 to 64	Clerical and A Single	Single	Tax Agent	PHI	65248	221	65027	0.00034416
77	177864	Female	25 to 29	Technicians a Single	Single	Tax Agent	No PHI	37385	378	37007	0.000344732
78	122049	Male	50 to 54	Managers	Partnered	Self Prepared	PHI	111938	2523	109415	0.000348209
79	79401	Male	70 and over	Occupation nc Single	Single	Self Prepared	No PHI	16912	0	16912	0.000348591
80	82948	Male	50 to 54	Labourers	Partnered	Tax Agent	No PHI	160928	1607	159321	0.000351581
81	73364	Female	35 to 39	Technicians a Single	Single	Tax Agent	PHI	82716	429	82287	0.000351988
82	54755	Male	40 to 44	Clerical and A Partnered	Partnered	Self Prepared	PHI	56143	687	55456	0.000358399
83	159371	Female	30 to 34	Professionals Single	Single	Tax Agent	PHI	106037	423	105614	0.000366189
84	222051	Female	25 to 29	Professionals Single	Single	Self Prepared	No PHI	76364	818	75546	0.000366793
85	130348	Male	30 to 34	Occupation nc Partnered	Partnered	Tax Agent	No PHI	31537	0	31537	0.000372417
86	28715	Male	40 to 44	Machinery op:Partnered	Partnered	Tax Agent	No PHI	34659	825	33834	0.000373345
87	56035	Female	40 to 44	Community ar Single	Single	Tax Agent	No PHI	16396	170	16226	0.00038251
88	80809	Female	60 to 64	Occupation nc Partnered	Partnered	Tax Agent	PHI	24380	152	24228	0.000384835
89	213774	Male	45 to 49	Machinery op: Single	Single	Self Prepared	No PHI	47501	949	46552	0.000389973
90	213865	Female	45 to 49	Consultants, a Single	Single	Tax Agent	No PHI	28731	349	28382	0.00039442
91	212872	Male	50 to 54	Machinery op:Partnered	Partnered	Tax Agent	No PHI	128431	142	128289	0.000399616
92	123609	Male	25 to 29	Machinery op: Single	Single	Tax Agent	No PHI	17393	3898	13495	0.00039983
93	127273	Male	50 to 54	Labourers	Partnered	Tax Agent	No PHI	55842	2224	53618	0.000405219
94	247276	Female	20 to 24	Managers	Single	Tax Agent	No PHI	28638	545	28093	0.00041369
95	24807	Male	45 to 49	Occupation nc Partnered	Partnered	Tax Agent	No PHI	48673	872	47801	0.000417421
96	238959	Female	20 to 24	Community ar Single	Single	Self Prepared	PHI	19065	303	18762	0.000417789
97	167431	Male	65 to 69	Machinery op: Partnered	Partnered	Tax Agent	No PHI	47956	463	47493	0.000418267
98	30143	Female	40 to 44	Clerical and A Partnered	Partnered	Tax Agent	PHI	51805	364	51241	0.000424995
99	197794	Male	65 to 69	Consultants, c Partnered	Partnered	Self Prepared	No PHI	16603	0	16603	0.000425165
100	24688	Male	45 to 49	Professionals Partnered	Partnered	Tax Agent	PHI	90419	1237	89182	0.000430227
101	211818	Male	55 to 59	Clerical and A Partnered	Partnered	Tax Agent	PHI	107684	12307	95377	0.000430798
102	107949	Male	25 to 29	Technicians a Single	Single	Tax Agent	PHI	42659	840	41819	0.000434273
103	120433	Female	30 to 34	Managers	Partnered	Tax Agent	PHI	168314	4757	163557	0.00043721
104	25333	Female	60 to 64	Community ar Partnered	Partnered	Tax Agent	PHI	25876	1036	24840	0.000441037
105	160687	Female	under 20	Sales workers: Single	Single	Self Prepared	No PHI	15468	0	15468	0.000441235
106	119696	Male	35 to 39	Clerical and A Partnered	Partnered	Tax Agent	PHI	76714	1790	74924	0.000443904
107	61921	Female	35 to 39	Professionals Partnered	Partnered	Tax Agent	PHI	36573	1175	35398	0.000443932
108	171894	Male	40 to 44	Managers	Partnered	Tax Agent	No PHI	60279	4220	56059	0.000447662
109	204139	Male	50 to 54	Machinery op: Single	Single	Tax Agent	PHI	66033	1444	64589	0.000450112
110	136406	Male	30 to 34	Technicians a Partnered	Partnered	Tax Agent	No PHI	92953	943	92010	0.000452629
111	105531	Male	30 to 34	Technicians a Partnered	Partnered	Tax Agent	PHI	146207	703	145504	0.000456572
1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
110	136406	Male	30 to 34	Technicians a Partnered	Partnered	Tax Agent	No PHI	92953	943	92010	0.000452629
111	105531	Male	30 to 34	Technicians a Partnered	Partnered	Tax Agent	PHI	146207	703	145504	0.000456572
112	52234	Male	45 to 49	Machinery op:Partnered	Partnered	Tax Agent	No PHI	57655	2643	55012	0.000463573
113	209655	Female	60 to 64	Professionals Single	Single	Tax Agent	PHI	52764	719	52045	0.000480261
114	4838	Male	55 to 59	Professionals Partnered	Partnered	Tax Agent	PHI	107610	4223	103387	0.000484772
115	97020	Male	55 to 59	Clerical and A Partnered	Partnered	Self Prepared	PHI	91439	804	90635	0.000487107
116	161141	Male	30 to 34	Sales workers: Partnered	Partnered	Tax Agent	PHI	191457	30314	161143	0.000488636
117	212295	Male	50 to 54	Machinery op: Partnered	Partnered	Self Prepared	No PHI	81604	747	80857	0.000491108
118	92781	Female	55 to 59	Professionals Partnered	Partnered	Self Prepared	PHI	116277	4132	112145	0.00049592
119	102227	Male	45 to 49	Labourers	Partnered	Tax Agent	No PHI	106708	16742	89966	0.000509188
120	226876	Female	30 to 34	Professionals Partnered	Partnered	Tax Agent	PHI	-2318	0	-2318	0.00050978
121	257622	Male	25 to 29	Labourers	Single	Tax Agent	No PHI	17255	0	17255	0.000517345
122	132115	Male	25 to 29	Labourers	Partnered	Tax Agent	No PHI	111529	8902	102627	0.000521887
123	142884	Female	30 to 34	Labourers	Partnered	Self Prepared	No PHI	34952	553	34399	0.000522551
124	119834	Female	35 to 39	Professionals Partnered	Partnered	Tax Agent	PHI	61682	1043	60639	0.000524568
125	197223	Male	45 to 49	Consultants, a Single	Single	Self Prepared	PHI	76175	797	75378	0.000524681
126	148967	Female	under 20	Labourers	Single	Tax Agent	No PHI	5304	161	5143	0.000526165
127	183093	Female	70 and over	Occupation nc Partnered	Partnered	Tax Agent	PHI	60446	0	60446	0.00052994
128	159030	Female	30 to 34	Consultants, a Partnered	Partnered	Tax Agent	No PHI	122333	5740	116593	0.000538257
129	43581	Female	40 to 44	Technicians a Single	Single	Self Prepared	No PHI	16193	0	16193	0.000545821
130	80098	Male	50 to 54	Clerical and A Partnered	Partnered	Tax Agent	PHI	61265	2652	58613	0.00055205
131	1141	Female	70 and over	Clerical and A Single	Single	Tax Agent	PHI	51433	424	51009	0.00055325
132	208829	Female	70 and over	Occupation nc Single	Single	Tax Agent	PHI	69164	32005	37159	0.000554405
133	220868	Female	25 to 29	Professionals Single	Single	Self Prepared	PHI	34597	378	34219	0.000578988
134	237321	Female	20 to 24	Clerical and A Single	Single	Tax Agent	No PHI	57874	2736	55138	0.000580702
135	47571	Male	40 to 44	Labourers	Single	Self Prepared	No PHI	29450	1643	27807	0.000581014
136	113258	Female	50 to 54	Occupation nc Single	Single	Tax Agent	No PHI	9218	0	9218	0.000583309
137	215182	Female	70 and over	Occupation nc Single	Single	Self Prepared	No PHI	4800	0	4800	0.000585241
138	169623	Male	30 to 34	Labourers	Single	Tax Agent	PHI	61596	272	61324	0.000587876
139	238815	Female	20 to 24	Consultants, a Single	Single	Self Prepared	PHI	11296	0	11296	0.000590793
140	215851	Male	65 to 69	Technicians a Partnered	Partnered	Tax Agent	PHI	15120	1216	13904	0.00059717
141	64198	Male	30 to 34	Managers	Single	Tax Agent	PHI	123163	6087	117076	0.000598202
142	66303	Male	35 to 39	Labourers	Partnered	Tax Agent	No PHI	90222	6934	83288	0.000599848
143	204347	Male	50 to 54	Managers	Partnered	Tax Agent	PHI	102499	316	102183	0.000602502
144	115590	Male	25 to 29	Machinery op: Partnered	Partnered	Tax Agent	PHI	63692	8018	55674	0.000602732
145	68936	Male	35 to 39	Community ar Single	Single	Tax Agent	PHI	32256	3893	28363	0.000604378
146	251800	Male	20 to 24	Labourers	Partnered	Tax Agent	No PHI	19698	259	19439	0.000605092
147	178400	Male	20 to 24	Community ar Single	Single	Self Prepared	PHI	30807	295	30512	0.00061322

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
146	251800	Male	20 to 24	Labourers	Partnered	Tax Agent	No PHI	19698	259	19439	0.00060592
147	178400	Male	20 to 24	Community ar Single	Self Prepared	PHI		30807	295	30512	0.00061322
148	838	Male	70 and over	Occupation nc Partnered	Tax Agent	No PHI		12049	0	12049	0.000618024
149	31183	Female	45 to 49	Clerical and A Single	Tax Agent	PHI		93977	2356	91621	0.000618215
150	232992	Female	20 to 24	Professionals Single	Self Prepared	PHI		29864	2363	27501	0.00062672
151	32732	Female	40 to 44	Clerical and A Partnered	Self Prepared	No PHI		24945	318	24627	0.000627708
152	176433	Male	25 to 29	Technicians a Single	Self Prepared	No PHI		60192	6857	53335	0.000631405
153	190931	Female	55 to 59	Community ar Single	Tax Agent	No PHI		63067	473	62594	0.0006405
154	255356	Male	40 to 44	Technicians a Partnered	Self Prepared	No PHI		18345	270	18075	0.000646266
155	113407	Male	30 to 34	Consultants, a Single	Tax Agent	PHI		48855	2977	45878	0.00065243
156	83745	Male	50 to 54	Professionals Partnered	Tax Agent	PHI		32861	807	32054	0.000655461
157	185414	Female	45 to 49	Professionals Single	Tax Agent	No PHI		62064	4036	58028	0.000663616
158	223216	Female	20 to 24	Professionals Single	Tax Agent	No PHI		40603	5060	35543	0.000663988
159	228713	Female	40 to 44	Labourers Single	Tax Agent	No PHI		22295	0	22295	0.00066462
160	35890	Male	40 to 44	Managers Partnered	Tax Agent	PHI		195135	20120	175015	0.000671108
161	79644	Male	60 to 64	Community ar Single	Tax Agent	PHI		61953	851	61102	0.000671512
162	106966	Female	30 to 34	Consultants, a Partnered	Self Prepared	No PHI		12816	0	12816	0.000671926
163	71390	Female	60 to 64	Labourers Single	Self Prepared	No PHI		44847	738	44109	0.000677749
164	81721	Male	70 and over	Occupation nc Single	Self Prepared	No PHI		186	0	186	0.000680348
165	75273	Male	35 to 39	Professionals Partnered	Tax Agent	PHI		95013	2720	92293	0.000684989
166	64696	Male	55 to 59	Consultants, a Partnered	Tax Agent	No PHI		61866	9708	52158	0.0006855
167	123895	Male	25 to 29	Machinery op Partnered	Tax Agent	PHI		138994	620	138374	0.00069046
168	216850	Male	50 to 54	Consultants, a Partnered	Tax Agent	No PHI		97544	5001	92543	0.000690914
169	149233	Female	under 20	Sales workers Single	Self Prepared	No PHI		5925	237	5688	0.000704307
170	173987	Male	30 to 34	Professionals Single	Tax Agent	PHI		179433	36286	143147	0.000719783
171	194722	Female	55 to 59	Professionals Partnered	Tax Agent	PHI		36958	1205	35753	0.000722674
172	72953	Female	35 to 39	Clerical and A Single	Self Prepared	No PHI		52870	1065	51805	0.000730836
173	221959	Female	25 to 29	Managers Partnered	Tax Agent	No PHI		15438	0	15438	0.000734956
174	8755	Female	65 to 69	Clerical and A Single	Tax Agent	PHI		45052	773	44279	0.000736597
175	25572	Female	45 to 49	Clerical and A Partnered	Self Prepared	PHI		54477	94	54383	0.000748039
176	29781	Male	45 to 49	Machinery op Partnered	Tax Agent	No PHI		62661	1841	60820	0.000751269
177	238279	Male	40 to 44	Technicians a Partnered	Tax Agent	PHI		168446	3222	165224	0.000759167
178	189266	Male	55 to 59	Technicians a Single	Tax Agent	No PHI		69812	10650	59162	0.000768544
179	109568	Female	20 to 24	Consultants, a Single	Tax Agent	No PHI		30829	0	30829	0.000782533
180	216640	Male	50 to 54	Professionals Partnered	Tax Agent	PHI		309445	6497	302948	0.000789408
181	249079	Male	20 to 24	Labourers Single	Tax Agent	No PHI		70412	1829	68583	0.000799063
182	90126	Male	55 to 59	Professionals Partnered	Tax Agent	PHI		59004	1213	57791	0.000806003
183	176376	Female	30 to 34	Managers Partnered	Self Prepared	PHI		110434	4003	106431	0.00080625
184	215405	Male	65 to 69	Occupation nc Single	Tax Agent	No PHI		20437	0	20437	0.000814019
185	222285	Female	25 to 29	Clerical and A Partnered	Self Prepared	No PHI		20771	279	20492	0.000814436
186	1296	Male	70 and over	Occupation nc Partnered	Tax Agent	PHI		4432	0	4432	0.00081774
187	252341	Male	20 to 24	Machinery op Single	Self Prepared	No PHI		31177	650	30527	0.000827676
188	77455	Male	40 to 44	Sales workers Partnered	Tax Agent	No PHI		15497	130	15367	0.000835263
189	47162	Male	45 to 49	Community ar Single	Tax Agent	No PHI		36441	413	36028	0.000835824
190	145234	Male	30 to 34	Managers Single	Tax Agent	PHI		122014	3904	118110	0.000839084
191	137601	Female	35 to 39	Labourers Single	Self Prepared	No PHI		37223	162	37061	0.000846714
192	37365	Male	50 to 54	Managers Single	Tax Agent	PHI		122623	6060	116563	0.000849084
193	171805	Male	45 to 49	Technicians a Single	Tax Agent	PHI		160630	1543	159087	0.000849651
194	193141	Female	50 to 54	Clerical and A Single	Tax Agent	No PHI		22911	482	22429	0.00085101
195	150740	Female	35 to 39	Clerical and A Partnered	Tax Agent	PHI		36432	6093	30339	0.000854205
196	184159	Female	60 to 64	Community ar Single	Tax Agent	No PHI		21057	142	20915	0.000855523
197	159054	Male	40 to 44	Professionals Partnered	Tax Agent	PHI		91329	11107	80222	0.000857719
198	49248	Female	40 to 44	Professionals Partnered	Tax Agent	No PHI		13882	884	12998	0.000857858
199	224580	Female	40 to 44	Consultants, a Partnered	Self Prepared	No PHI		7102	0	7102	0.000858987
200	132381	Male	30 to 34	Consultants, a Partnered	Tax Agent	No PHI		85480	2995	82485	0.000863632
201	251421	Male	25 to 29	Machinery op Single	Tax Agent	No PHI		61874	609	61265	0.000865046
202	229470	Female	20 to 24	Technicians a Single	Tax Agent	No PHI		52133	6279	45854	0.000867224
203	141691	Male	25 to 29	Clerical and A Partnered	Self Prepared	No PHI		57354	0	57354	0.000868069
204	18631	Female	45 to 49	Sales worker Single	Tax Agent	PHI		61339	2416	58923	0.000877241
205	47664	Female	40 to 44	Managers Partnered	Tax Agent	PHI		93939	3441	90498	0.000885617
206	113582	Male	30 to 34	Sales workers Single	Tax Agent	PHI		64402	12037	52365	0.000886933
207	235186	Male	35 to 39	Occupation nc Partnered	Tax Agent	PHI		157726	0	157726	0.000891164
208	89069	Male	55 to 59	Consultants, a Single	Tax Agent	PHI		50441	1714	48727	0.000895606
209	145930	Female	25 to 29	Community ar Single	Self Prepared	No PHI		11484	334	11150	0.000900627
210	110895	Male	40 to 44	Technicians a Partnered	Tax Agent	No PHI		66926	374	66552	0.000903747
211	130366	Male	25 to 29	Consultants, a Single	Tax Agent	PHI		35174	334	34840	0.00090846
212	49369	Male	50 to 54	Occupation nc Partnered	Self Prepared	PHI		473	0	473	0.000909794
213	176935	Male	25 to 29	Professionals Single	Self Prepared	PHI		22937	384	22553	0.000915955
214	198213	Male	55 to 59	Occupation nc Partnered	Tax Agent	PHI		22324	0	22324	0.000917793
215	176936	Male	25 to 29	Machinery op Single	Self Prepared	No PHI		74096	4928	69168	0.000923602
216	61122	Female	35 to 39	Professionals Partnered	Tax Agent	PHI		88238	762	87476	0.000924202
217	44685	Female	40 to 44	Clerical and A Single	Tax Agent	No PHI		54861	111	54750	0.000932388
218	225364	Male	20 to 24	Community ar Single	Tax Agent	PHI		10981	367	10614	0.000932672
219	131997	Male	25 to 29	Labourers Single	Tax Agent	No PHI		83369	0	83369	0.000932793

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
218	225364	Male	20 to 24	Community ar Single	Tax Agent	PHI	10981	367	10614	0.000932672	
219	131997	Male	25 to 29	Labourers Single	Tax Agent	No PHI	83369	0	83369	0.000932793	
220	173536	Female	30 to 34	Professionals Partnered	Tax Agent	PHI	28879	876	28003	0.000933574	
221	44824	Male	40 to 44	Professionals Partnered	Tax Agent	PHI	137704	3643	134061	0.0009338	
222	237068	Female	under 20	Sales workers Single	Self Prepared	PHI	11803	0	11803	0.000936657	
223	23851	Female	70 and over	Occupation nc Partnered	Tax Agent	PHI	21823	0	21823	0.000942261	
224	170543	Female	20 to 24	Machinery op Single	Tax Agent	No PHI	14420	0	14420	0.00095701	
225	49699	Female	50 to 54	Community ar Partnered	Self Prepared	No PHI	34770	652	34118	0.00096428	
226	246590	Male	30 to 34	Technicians a Single	Tax Agent	No PHI	34398	272	34126	0.000970949	
227	23941	Female	55 to 59	Professionals Single	Tax Agent	PHI	76860	2413	74447	0.000971163	
228	139975	Male	50 to 54	Labourers Single	Tax Agent	No PHI	11791	91	11700	0.000979748	
229	21305	Male	45 to 49	Consultants, a Partnered	Tax Agent	PHI	100848	22812	78036	0.000980503	
230	138401	Male	25 to 29	Managers Single	Tax Agent	No PHI	61883	2491	59392	0.0009818383	
231	25887	Male	55 to 59	Professionals Partnered	Self Prepared	No PHI	110121	3016	107105	0.000982928	
232	225317	Male	30 to 34	Managers Partnered	Tax Agent	No PHI	24502	141	24361	0.000983023	
233	108482	Female	25 to 29	Community ar Single	Tax Agent	No PHI	43728	417	43311	0.000983907	
234	161802	Female	25 to 29	Professionals Single	Self Prepared	No PHI	65899	4416	61483	0.00099225	
235	146352	Male	30 to 34	Clerical and A Partnered	Tax Agent	PHI	126357	4542	121815	0.00102557	
236	224804	Female	25 to 29	Sales workers Single	Self Prepared	No PHI	18471	114	18357	0.001009976	
237	8825	Female	55 to 59	Consultants, a Single	Self Prepared	No PHI	55883	751	55132	0.001010101	
238	129961	Male	30 to 34	Technicians a Partnered	Tax Agent	PHI	28111	2744	25367	0.001017683	
239	146431	Female	50 to 54	Occupation nc Single	Tax Agent	PHI	9724	230	9494	0.001024244	
240	60352	Male	60 to 64	Consultants, a Single	Self Prepared	No PHI	21558	0	21558	0.001030991	
241	50797	Male	45 to 49	Managers Single	Tax Agent	PHI	64381	18808	45573	0.001031091	
242	87395	Female	65 to 69	Consultants, a Single	Tax Agent	PHI	45289	204	45085	0.001037393	
243	120901	Female	30 to 34	Occupation nc Partnered	Tax Agent	PHI	52319	0	52319	0.001038794	
244	222365	Male	50 to 54	Technicians a Partnered	Tax Agent	PHI	43849	4740	39109	0.001039785	
245	251218	Female	50 to 54	Consultants, a Partnered	Self Prepared	PHI	68025	0	68025	0.001040388	
246	60076	Female	60 to 64	Clerical and A Partnered	Tax Agent	PHI	21304	0	21304	0.001041016	
247	183578	Male	60 to 64	Community ar Partnered	Tax Agent	No PHI	110343	2060	108283	0.001049196	
248	93923	Male	60 to 64	Labourers Partnered	Tax Agent	PHI	79610	1282	78328	0.001050365	
249	122315	Female	25 to 29	Professionals Partnered	Tax Agent	PHI	56598	366	56232	0.001058387	
250	103840	Male	35 to 39	Managers Partnered	Tax Agent	PHI	133909	1135	132774	0.001060718	
251	187717	Male	60 to 64	Clerical and A Partnered	Tax Agent	PHI	64652	658	63994	0.001062703	
252	132713	Male	40 to 44	Managers Partnered	Tax Agent	PHI	5625	0	5625	0.001068564	
253	90330	Female	60 to 64	Managers Partnered	Tax Agent	PHI	32987	0	32987	0.001070577	
254	31174	Male	45 to 49	Managers Partnered	Tax Agent	PHI	309865	17381	292484	0.001072874	
255	34966	Male	40 to 44	Professionals Partnered	Tax Agent	PHI	78069	7993	70076	0.001074543	
1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
254	31174	Male	45 to 49	Managers Partnered	Tax Agent	PHI	309865	17381	292484	0.001072874	
255	34966	Male	40 to 44	Professionals Partnered	Tax Agent	PHI	78069	7993	70076	0.001074543	
256	169799	Female	25 to 29	Community ar Partnered	Self Prepared	PHI	54387	1134	53253	0.001075672	
257	220749	Male	35 to 39	Professionals Partnered	Self Prepared	PHI	13930	737	13193	0.001078932	
258	239368	Male	35 to 39	Professionals Partnered	Self Prepared	No PHI	74492	805	73687	0.001079292	
259	235798	Female	20 to 24	Managers Single	Tax Agent	PHI	40962	161	40801	0.001081855	
260	181024	Female	65 to 69	Professionals Partnered	Tax Agent	PHI	30527	252	30275	0.001095235	
261	169952	Male	under 20	Labourers Single	Tax Agent	PHI	10033	0	10033	0.001095607	
262	61341	Male	35 to 39	Sales workers Partnered	Tax Agent	PHI	125165	2205	122960	0.001098576	
263	160952	Female	25 to 29	Community ar Single	Tax Agent	PHI	65383	7264	58119	0.001105558	
264	85235	Female	50 to 54	Sales workers Single	Tax Agent	No PHI	49811	1252	48559	0.001105676	
265	233930	Male	20 to 24	Machinery op Single	Self Prepared	No PHI	46294	4081	42213	0.001107742	
266	65555	Male	35 to 39	Labourers Partnered	Tax Agent	PHI	80117	2790	77327	0.001110728	
267	140593	Male	25 to 29	Technicians a Partnered	Tax Agent	No PHI	68771	4156	64615	0.001111222	
268	79200	Male	65 to 69	Occupation nc Partnered	Tax Agent	PHI	13221	0	13221	0.001111532	
269	204542	Male	60 to 64	Machinery op Single	Tax Agent	No PHI	59511	4424	55087	0.001114337	
270	98287	Male	50 to 54	Managers Single	Tax Agent	PHI	325751	17079	308672	0.001122319	
271	215084	Female	55 to 59	Managers Partnered	Tax Agent	PHI	75015	633	74382	0.001122925	
272	99526	Male	45 to 49	Machinery op Partnered	Tax Agent	No PHI	29271	943	28328	0.001128526	
273	256810	Male	30 to 34	Consultants, a Single	Self Prepared	No PHI	40281	3697	36584	0.001129794	
274	30330	Female	45 to 49	Managers Single	Tax Agent	PHI	101119	1835	99284	0.001133687	
275	114107	Female	30 to 34	Managers Partnered	Tax Agent	PHI	23438	5259	18179	0.001133782	
276	49306	Male	40 to 44	Consultants, a Single	Self Prepared	PHI	6528	238	6290	0.001135487	
277	1615	Male	65 to 69	Machinery op Single	Tax Agent	PHI	35497	365	35132	0.001135901	
278	46462	Male	40 to 44	Occupation nc Single	Tax Agent	No PHI	53086	38	53048	0.00114261	
279	188136	Male	60 to 64	Occupation nc Single	Tax Agent	PHI	16346	0	16346	0.001143086	
280	181786	Male	50 to 54	Labourers Single	Tax Agent	No PHI	65444	4681	60763	0.001143686	
281	150771	Male	35 to 39	Community ar Partnered	Tax Agent	PHI	115231	5483	109748	0.001149648	
282	207233	Female	45 to 49	Technicians a Partnered	Tax Agent	PHI	37130	354	36776	0.001151666	
283	79089	Male	65 to 69	Occupation nc Partnered	Tax Agent	PHI	2752	94	2658	0.001153069	
284	89700	Male	70 and over	Occupation nc Partnered	Tax Agent	PHI	22052	0	22052	0.001153421	
285	49008	Female	55 to 59	Consultants, a Partnered	Self Prepared	No PHI	12757	0	12757	0.001153957	
286	166681	Male	30 to 34	Technicians a Partnered	Tax Agent	PHI	53737	958	52779	0.001156176	
287	38341	Female	40 to 44	Community ar Partnered	Tax Agent	PHI	39440	557	38883	0.001160285	
288	186667	Male	70 and over	Occupation nc Partnered	Tax Agent	PHI	26640	193	26447	0.001163872	
289	251236	Female	50 to 54	Occupation nc Single	Tax Agent	No PHI	0	0	0	0.001170846	
290	147899	Male	20 to 24	Community ar Single	Self Prepared	No PHI	2266	0	2266	0.001172989	
291	79852	Female	60 to 64	Sales workers Single	Tax Agent	PHI	40779	672	40107	0.001174241	

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
290	147899	Male	20 to 24	Community ar Single	Self Prepared	No PHI	2266	0	2266	0.001172989	
291	79852	Female	60 to 64	Sales workers Single	Tax Agent	PHI	40779	672	40107	0.001174241	
292	228411	Male	50 to 54	Labourers Single	Tax Agent	No PHI	34517	400	34117	0.001181086	
293	5417	Male	55 to 59	Technicians a Partnered	Tax Agent	PHI	93597	2606	90991	0.001188125	
294	154716	Female	25 to 29	Professionals Partnered	Self Prepared	PHI	25512	903	24609	0.001189199	
295	148589	Female	under 20	Community ar Single	Self Prepared	No PHI	5328	176	5152	0.001197	
296	17368	Male	60 to 64	Occupation nc Partnered	Tax Agent	PHI	34496	142	34354	0.001197498	
297	98147	Female	50 to 54	Sales workers Single	Tax Agent	No PHI	19704	1289	18415	0.001199705	
298	26100	Female	70 and over	Clerical and A Single	Tax Agent	PHI	22415	8839	13576	0.001216262	
299	228875	Female	30 to 34	Professionals Single	Tax Agent	PHI	60895	1529	59366	0.001220824	
300	15466	Female	50 to 54	Community ar Single	Tax Agent	No PHI	18073	0	18073	0.001221821	
301	133637	Female	30 to 34	Professionals Partnered	Self Prepared	PHI	90646	0	90646	0.00123303	
302	246408	Male	20 to 24	Technicians a Single	Tax Agent	PHI	58999	8039	50960	0.001234946	
303	49958	Female	40 to 44	Professionals Partnered	Tax Agent	PHI	888	84	804	0.001235408	
304	207035	Male	65 to 69	Occupation nc Partnered	Tax Agent	PHI	34986	264	34722	0.001252069	
305	160698	Female	20 to 24	Managers Partnered	Self Prepared	PHI	11675	120	11555	0.001256323	
306	45941	Female	40 to 44	Managers Partnered	Tax Agent	PHI	104881	4527	100354	0.00126238	
307	162716	Female	25 to 29	Community ar Single	Self Prepared	No PHI	18243	263	17980	0.001264425	
308	169328	Female	25 to 29	Technicians a Partnered	Self Prepared	No PHI	14272	165	14107	0.001267528	
309	223058	Male	25 to 29	Machinery op/ Partnered	Tax Agent	No PHI	58333	396	57937	0.001268412	
310	77056	Female	50 to 54	Occupation nc Partnered	Tax Agent	PHI	13525	0	13525	0.001276754	
311	243062	Male	25 to 29	Managers Single	Tax Agent	No PHI	35109	3479	31630	0.001278762	
312	129816	Male	25 to 29	Technicians a Partnered	Tax Agent	PHI	128571	3651	124920	0.001280217	
313	46304	Female	45 to 49	Clerical and A Single	Tax Agent	PHI	42420	4119	38301	0.001288389	
314	174200	Male	30 to 34	Sales workers Single	Self Prepared	PHI	70432	12479	57953	0.001292472	
315	163540	Male	30 to 34	Community ar Single	Self Prepared	No PHI	17184	0	17184	0.001292791	
316	103946	Male	35 to 39	Professionals Partnered	Self Prepared	PHI	79519	227	79292	0.001292901	
317	198988	Male	60 to 64	Professionals Partnered	Tax Agent	PHI	98321	35953	62368	0.001292904	
318	191470	Female	55 to 59	Professionals Single	Self Prepared	PHI	61971	5193	56778	0.001299765	
319	60899	Male	35 to 39	Machinery op/ Partnered	Self Prepared	PHI	129634	404	129230	0.001301242	
320	217738	Male	65 to 69	Occupation nc Single	Self Prepared	No PHI	62370	329	62041	0.001305199	
321	71031	Female	35 to 39	Sales workers Partnered	Tax Agent	PHI	33446	5020	28426	0.001309187	
322	256777	Male	30 to 34	Clerical and A Single	Self Prepared	No PHI	60577	1938	58639	0.001312826	
323	56428	Female	40 to 44	Professionals Partnered	Tax Agent	PHI	40962	899	40063	0.001325146	
324	127306	Male	30 to 34	Occupation nc Single	Tax Agent	PHI	223597	2165	221432	0.001336337	
325	157217	Female	20 to 24	Labourers Single	Tax Agent	No PHI	26370	300	26070	0.001337491	
326	152091	Female	50 to 54	Occupation nc Single	Tax Agent	No PHI	17823	0	17823	0.001341549	
327	2765	Male	60 to 64	Managers Partnered	Self Prepared	PHI	146258	11791	134467	0.001341839	
328	61558	Female	50 to 54	Sales workers Single	Tax Agent	No PHI	8465	0	8465	0.001347813	
329	31298	Male	45 to 49	Community ar Partnered	Tax Agent	PHI	57930	4118	53812	0.001351178	
330	68957	Female	30 to 34	Professionals Partnered	Tax Agent	PHI	108742	5906	102836	0.001356276	
331	161710	Female	25 to 29	Occupation nc Partnered	Tax Agent	PHI	-375	2017	-2392	0.001364755	
332	215601	Female	60 to 64	Clerical and A Partnered	Tax Agent	PHI	18335	1185	17150	0.001367331	
333	47334	Female	40 to 44	Professionals Partnered	Self Prepared	PHI	87691	1407	86284	0.001368981	
334	156632	Male	30 to 34	Labourers Single	Tax Agent	No PHI	29608	272	29336	0.001372256	
335	36568	Male	55 to 59	Labourers Partnered	Tax Agent	PHI	139595	10793	128802	0.001375357	
336	135322	Female	35 to 39	Professionals Single	Tax Agent	PHI	31864	9959	21905	0.001377668	
337	94804	Male	55 to 59	Occupation nc Single	Tax Agent	PHI	12802	0	12802	0.001379976	
338	9389	Male	70 and over	Consultants, a Single	Tax Agent	PHI	45675	1385	44290	0.001382395	
339	24058	Male	45 to 49	Consultants, a Partnered	Tax Agent	PHI	149194	3917	145277	0.001385992	
340	32455	Male	45 to 49	Labourers Single	Self Prepared	No PHI	55514	1073	54441	0.00138769	
341	221352	Male	25 to 29	Community ar Single	Tax Agent	No PHI	13015	0	13015	0.001394928	
342	99659	Female	50 to 54	Machinery op/ Single	Tax Agent	No PHI	69268	803	68465	0.001395093	
343	251665	Female	20 to 24	Community ar Single	Self Prepared	No PHI	10782	106	10676	0.001395416	
344	72035	Female	35 to 39	Clerical and A Partnered	Tax Agent	PHI	2053	447	1606	0.001396396	
345	56879	Male	40 to 44	Professionals Partnered	Self Prepared	PHI	112579	5212	107367	0.001405543	
346	207283	Female	50 to 54	Professionals Partnered	Tax Agent	PHI	87673	2834	84839	0.001406544	
347	19754	Female	45 to 49	Clerical and A Partnered	Self Prepared	No PHI	48769	2180	46589	0.001407038	
348	172251	Female	25 to 29	Consultants, a Single	Self Prepared	No PHI	10498	284	10214	0.001407235	
349	3055	Male	60 to 64	Managers Partnered	Tax Agent	PHI	68	0	68	0.001407686	
350	121719	Female	25 to 29	Clerical and A Partnered	Self Prepared	No PHI	31432	0	31432	0.001415584	
351	166795	Female	40 to 44	Managers Partnered	Tax Agent	PHI	101091	1109	99982	0.001417623	
352	198986	Male	45 to 49	Technicians a Single	Tax Agent	PHI	330288	675	329613	0.001423397	
353	211262	Female	55 to 59	Clerical and A Partnered	Tax Agent	PHI	44925	0	44925	0.00142404	
354	67273	Female	35 to 39	Managers Partnered	Self Prepared	PHI	42084	678	41406	0.001426322	
355	226148	Male	25 to 29	Professionals Single	Self Prepared	PHI	26174	2071	24103	0.001427282	
356	166824	Female	30 to 34	Community ar Partnered	Tax Agent	PHI	32105	4408	27697	0.001435603	
357	184886	Male	50 to 54	Managers Partnered	Tax Agent	PHI	301035	2031	299004	0.001439877	
358	152538	Female	30 to 34	Managers Single	Self Prepared	PHI	57698	920	56778	0.001446673	
359	7940	Male	70 and over	Occupation nc Partnered	Tax Agent	No PHI	21345	0	21345	0.001447868	
360	169051	Male	25 to 29	Clerical and A Single	Self Prepared	No PHI	34088	0	34088	0.001454853	
361	106183	Female	30 to 34	Professionals Partnered	Tax Agent	PHI	88744	1073	87671	0.00146076	
362	17667	Female	45 to 49	Clerical and A Single	Self Prepared	PHI	41669	0	41669	0.001468564	
363	136612	Male	45 to 49	Occupation nc Single	Tax Agent	No PHI	58695	14	58681	0.001474327	

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
362	17667	Female	45 to 49	Clerical and A Single	Self Prepared	PHI	41669	0	41669	0.001468564	
363	136612	Male	45 to 49	Occupation nc Single	Tax Agent	No PHI	58695	14	58681	0.001474327	
364	206593	Male	45 to 49	Machinery op Single	Tax Agent	No PHI	71787	1108	70679	0.00147999	
365	87957	Female	50 to 54	Clerical and A Partnered	Tax Agent	PHI	30531	0	30531	0.001480885	
366	54375	Male	40 to 44	Professionals Single	Tax Agent	PHI	104534	1329	103205	0.001481536	
367	89619	Male	70 and over	Occupation nc Single	Tax Agent	PHI	96927	3596	93331	0.001484208	
368	117724	Female	under 20	Consultants, e Single	Tax Agent	PHI	21789	59	21730	0.001489431	
369	201648	Female	55 to 59	Sales workers Partnered	Tax Agent	No PHI	46827	977	45850	0.001492813	
370	190989	Female	50 to 54	Clerical and A Single	Self Prepared	No PHI	37261	27	37234	0.001496169	
371	87828	Male	55 to 59	Clerical and A Partnered	Tax Agent	PHI	144361	2853	141508	0.001499879	
372	225264	Female	25 to 29	Clerical and A Partnered	Self Prepared	PHI	47591	280	47311	0.001500773	
373	200073	Female	55 to 59	Community ar Single	Self Prepared	No PHI	28273	121	28152	0.001503363	
374	152497	Male	55 to 59	Professionals Partnered	Tax Agent	PHI	81235	1184	80051	0.001508791	
375	8211	Female	55 to 59	Professionals Partnered	Tax Agent	PHI	74441	2052	72389	0.001512329	
376	6134	Female	65 to 69	Professionals Partnered	Tax Agent	PHI	96	12	84	0.001512901	
377	208356	Male	70 and over	Occupation nc Single	Self Prepared	No PHI	460	0	460	0.001513489	
378	156562	Male	20 to 24	Labourers Single	Self Prepared	No PHI	18193	276	17917	0.001528232	
379	93264	Male	60 to 64	Technicians a Single	Tax Agent	No PHI	38457	1566	36891	0.001528993	
380	207393	Female	70 and over	Managers Partnered	Tax Agent	PHI	57358	4625	52733	0.001531454	
381	25694	Male	45 to 49	Technicians a Single	Tax Agent	No PHI	50017	6192	43825	0.00153227	
382	161407	Female	30 to 34	Occupation nc Partnered	Tax Agent	PHI	0	0	0	0.001540716	
383	74467	Male	35 to 39	Technicians a Partnered	Tax Agent	PHI	34734	4851	29883	0.001542941	
384	75007	Male	35 to 39	Managers Single	Tax Agent	PHI	82000	1136	80864	0.001545675	
385	148842	Female	under 20	Sales workers Single	Tax Agent	No PHI	7534	0	7534	0.001547094	
386	144109	Male	30 to 34	Machinery op Partnered	Tax Agent	No PHI	148191	8960	139231	0.001549705	
387	144642	Male	30 to 34	Technicians a Partnered	Tax Agent	PHI	57468	171	57297	0.001558078	
388	2269	Female	65 to 69	Occupation nc Single	Self Prepared	No PHI	26455	0	26455	0.001561111	
389	211666	Female	50 to 54	Clerical and A Single	Self Prepared	No PHI	27471	0	27471	0.001575515	
390	66027	Female	35 to 39	Community ar Partnered	Tax Agent	PHI	98891	1942	96949	0.001579753	
391	21525	Female	70 and over	Occupation nc Partnered	Tax Agent	PHI	21483	231	21252	0.001580999	
392	43528	Female	40 to 44	Professionals Partnered	Tax Agent	No PHI	28617	162	28455	0.001582264	
393	69075	Male	40 to 44	Technicians a Single	Tax Agent	No PHI	68974	4178	64796	0.001583129	
394	67433	Male	35 to 39	Occupation nc Partnered	Tax Agent	PHI	22013	961	21052	0.001587745	
395	55580	Female	60 to 64	Consultants, e Partnered	Self Prepared	PHI	27316	277	27039	0.00158936	
396	72848	Male	40 to 44	Technicians a Partnered	Tax Agent	No PHI	63699	2208	61491	0.001591573	
397	49023	Female	60 to 64	Occupation nc Single	Self Prepared	No PHI	8705	0	8705	0.001592513	
398	179125	Male	under 20	Labourers Single	Tax Agent	PHI	16511	269	16242	0.001593129	
399	24965	Male	45 to 49	Machinery op Partnered	Tax Agent	PHI	127864	3248	124616	0.001595901	
400	36777	Male	40 to 44	Machinery op Single	Self Prepared	No PHI	2675	0	2675	0.001597959	
401	173425	Female	35 to 39	Professionals Single	Tax Agent	PHI	70795	679	70116	0.001598123	
402	92866	Male	55 to 59	Labourers Single	Tax Agent	No PHI	59865	1903	57962	0.001604041	
403	194604	Male	45 to 49	Professionals Partnered	Tax Agent	PHI	42824	158	42666	0.001608603	
404	24111	Female	55 to 59	Sales workers Single	Tax Agent	No PHI	28708	742	27966	0.001614771	
405	239980	Female	35 to 39	Professionals Partnered	Tax Agent	PHI	57688	1368	56320	0.001626316	
406	33097	Male	40 to 44	Labourers Partnered	Tax Agent	PHI	55431	6033	49398	0.001636076	
407	100709	Female	50 to 54	Clerical and A Single	Self Prepared	No PHI	33086	0	33086	0.001646835	
408	220595	Female	20 to 24	Professionals Single	Tax Agent	PHI	68988	2359	66629	0.001648071	
409	143171	Male	30 to 34	Labourers Single	Tax Agent	No PHI	25176	70	25106	0.001663214	
410	135169	Female	35 to 39	Managers Partnered	Tax Agent	PHI	42791	3324	39467	0.001664422	
411	86032	Female	60 to 64	Occupation nc Partnered	Tax Agent	PHI	322510	0	322510	0.001669009	
412	129495	Male	30 to 34	Professionals Partnered	Tax Agent	PHI	83027	1642	81385	0.001681583	
413	152299	Male	30 to 34	Occupation nc Partnered	Tax Agent	No PHI	35215	0	35215	0.001684862	
414	23868	Male	45 to 49	Machinery op Single	Self Prepared	No PHI	64755	8495	56260	0.001685168	
415	66869	Male	35 to 39	Machinery op Single	Tax Agent	PHI	115421	3691	111730	0.001691732	
416	104916	Male	30 to 34	Machinery op Single	Self Prepared	No PHI	62007	1567	60440	0.001694749	
417	12736	Male	50 to 54	Labourers Partnered	Tax Agent	No PHI	60213	305	59908	0.001695391	
418	229155	Female	20 to 24	Clerical and A Single	Self Prepared	PHI	39048	316	38732	0.001695974	
419	13937	Male	70 and over	Occupation nc Partnered	Tax Agent	PHI	51404	236	51168	0.001698003	
420	15257	Female	45 to 49	Sales workers Partnered	Self Prepared	PHI	11226	18	11208	0.001705583	
421	61337	Female	35 to 39	Occupation nc Partnered	Tax Agent	PHI	-457	0	-457	0.001706234	
422	87161	Male	65 to 69	Clerical and A Partnered	Tax Agent	PHI	60629	5156	55473	0.001711576	
423	173819	Male	30 to 34	Technicians a Partnered	Tax Agent	PHI	76404	672	75732	0.001713365	
424	75395	Male	35 to 39	Technicians a Partnered	Tax Agent	PHI	79649	3755	75894	0.001723825	
425	237951	Female	70 and over	Occupation nc Single	Tax Agent	PHI	41741	0	41741	0.001728351	
426	158516	Male	50 to 54	Technicians a Partnered	Tax Agent	No PHI	32905	0	32905	0.001728914	
427	91813	Female	55 to 59	Professionals Partnered	Tax Agent	PHI	28866	1409	27457	0.001735392	
428	25941	Female	45 to 49	Technicians a Single	Tax Agent	PHI	83942	5248	78894	0.001735898	
429	67620	Male	35 to 39	Technicians a Single	Tax Agent	PHI	90811	280	90531	0.001741763	
430	187624	Male	60 to 64	Professionals Partnered	Tax Agent	PHI	82512	15442	67070	0.001743772	
431	115670	Male	30 to 34	Professionals Single	Tax Agent	No PHI	60106	9814	50292	0.001744558	
432	176208	Female	40 to 44	Community ar Partnered	Self Prepared	PHI	2209	83	2126	0.001754375	
433	139238	Male	25 to 29	Occupation nc Partnered	Tax Agent	PHI	21489	0	21489	0.00175561	
434	177496	Female	25 to 29	Clerical and A Single	Tax Agent	PHI	75164	687	74477	0.001758722	
435	122747	Female	25 to 29	Clerical and A Single	Tax Agent	PHI	87557	6436	81121	0.001760359	

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
434	177496	Female	25 to 29	Clerical and A Single		Tax Agent	PHI	75164	687	74477	0.001758722
435	122747	Female	25 to 29	Clerical and A Single		Tax Agent	PHI	87557	6436	81121	0.001760359
436	240173	Female	25 to 29	Professionals Partnered		Tax Agent	No PHI	52185	1503	50682	0.001761797
437	248675	Male	20 to 24	Labourers Single		Self Prepared	No PHI	49333	434	48899	0.0017689
438	76838	Male	35 to 39	Professionals Partnered		Tax Agent	No PHI	50208	8018	42190	0.00177023
439	102486	Female	45 to 49	Labourers Single		Self Prepared	No PHI	24995	97	24898	0.001770553
440	224834	Male	25 to 29	Professionals Single		Self Prepared	No PHI	61597	1739	59858	0.001778225
441	134881	Male	35 to 39	Managers Partnered		Tax Agent	No PHI	51149	854	50295	0.001785088
442	89079	Female	65 to 69	Occupation nc Partnered		Tax Agent	PHI	36014	31277	4737	0.001785188
443	130266	Female	40 to 44	Managers Single		Tax Agent	No PHI	19442	805	18637	0.001791713
444	204062	Female	50 to 54	Labourers Single		Self Prepared	PHI	35201	456	34745	0.00179537
445	211915	Female	50 to 54	Sales worker: Partnered		Tax Agent	PHI	35645	429	35216	0.001799697
446	161361	Male	30 to 34	Professionals Partnered		Tax Agent	PHI	113352	1395	111957	0.001803303
447	84842	Male	45 to 49	Clerical and A Single		Tax Agent	No PHI	64042	454	63588	0.001803433
448	6385	Male	60 to 64	Machinery op: Single		Self Prepared	No PHI	36809	465	36344	0.00180934
449	70006	Female	30 to 34	Professionals Partnered		Self Prepared	PHI	57712	169	57543	0.001809635
450	169499	Male	25 to 29	Professionals Partnered		Tax Agent	PHI	72453	4364	68089	0.00181088
451	224129	Female	25 to 29	Labourers Partnered		Self Prepared	No PHI	16679	235	16444	0.001813284
452	6023	Female	60 to 64	Occupation nc Partnered		Tax Agent	PHI	1441	0	1441	0.001816641
453	134223	Female	35 to 39	Professionals Partnered		Tax Agent	PHI	94547	1642	92905	0.001802423
454	127531	Female	30 to 34	Community ar Single		Self Prepared	PHI	42221	634	41587	0.001823319
455	43319	Male	40 to 44	Consultants, e Single		Tax Agent	No PHI	61152	4395	56757	0.001824591
456	258131	Female	20 to 24	Clerical and A Single		Tax Agent	No PHI	40632	4174	36458	0.001831652
457	107805	Male	25 to 29	Consultants, e Partnered		Tax Agent	No PHI	56138	412	55726	0.001837949
458	28764	Male	40 to 44	Technicians a Partnered		Tax Agent	PHI	84206	10361	73845	0.00183822
459	126664	Male	45 to 49	Technicians a Single		Tax Agent	No PHI	23602	273	23329	0.001839393
460	154408	Female	25 to 29	Professionals Single		Self Prepared	PHI	47440	883	46557	0.001840235
461	240845	Female	20 to 24	Professionals Single		Tax Agent	PHI	27754	359	27395	0.001840985
462	198123	Male	55 to 59	Technicians a Partnered		Tax Agent	PHI	21657	3930	17727	0.001842208
463	105983	Male	30 to 34	Clerical and A Partnered		Self Prepared	PHI	107875	417	107458	0.001844981
464	127098	Female	40 to 44	Consultants, e Single		Tax Agent	No PHI	6316	0	6316	0.001845779
465	222601	Female	25 to 29	Community ar Single		Self Prepared	No PHI	50181	489	49692	0.001855727
466	79520	Female	70 and over	Occupation nc Single		Self Prepared	No PHI	6694	0	6694	0.001857509
467	69432	Female	50 to 54	Managers Partnered		Tax Agent	PHI	88320	3812	84508	0.001860705
468	191973	Male	50 to 54	Sales workers: Partnered		Tax Agent	PHI	73412	7447	65965	0.001863447
469	320	Male	65 to 69	Occupation nc Single		Tax Agent	PHI	44065	108	43957	0.001871172
470	207663	Female	70 and over	Occupation nc Single		Tax Agent	PHI	72020	252	71768	0.001872487
471	75026	Male	35 to 39	Consultants, e Partnered		Self Prepared	PHI	166116	1799	164317	0.00187546
472	100858	Female	50 to 54	Community ar Single		Tax Agent	No PHI	48316	468	47848	0.001883109
473	218685	Female	55 to 59	Occupation nc Partnered		Tax Agent	No PHI	18	0	18	0.001883227
474	141899	Male	under 20	Consultants, e Single		Tax Agent	No PHI	25019	5025	19994	0.00188554
475	257829	Male	20 to 24	Sales workers: Partnered		Tax Agent	No PHI	20522	777	19745	0.001895194
476	123791	Female	25 to 29	Occupation nc Partnered		Tax Agent	PHI	1834	0	1834	0.001895718
477	52120	Female	50 to 54	Occupation nc Partnered		Tax Agent	PHI	79984	0	79984	0.001899744
478	3508	Male	55 to 59	Clerical and A Partnered		Tax Agent	PHI	40404	979	39425	0.001907317
479	181112	Female	60 to 64	Community ar Partnered		Tax Agent	PHI	45451	1688	43763	0.001913762
480	31864	Male	45 to 49	Occupation nc Single		Tax Agent	No PHI	4451	0	4451	0.001925275
481	98663	Male	50 to 54	Managers Partnered		Tax Agent	PHI	75669	2911	72758	0.001926646
482	64775	Female	35 to 39	Occupation nc Single		Tax Agent	PHI	10846	0	10846	0.001939224
483	227742	Male	25 to 29	Machinery op: Single		Tax Agent	No PHI	32121	484	31637	0.00194283
484	86143	Male	70 and over	Consultants, e Single		Tax Agent	PHI	15403	72	15331	0.001951498
485	94929	Male	50 to 54	Managers Partnered		Tax Agent	No PHI	62566	814	61752	0.001951842
486	84920	Female	65 to 69	Occupation nc Single		Self Prepared	No PHI	3270	0	3270	0.0019618
487	50548	Male	40 to 44	Technicians a Single		Tax Agent	No PHI	55184	3739	51445	0.001962972
488	165771	Male	30 to 34	Clerical and A Single		Tax Agent	PHI	42841	1254	41587	0.001965971
489	18555	Female	60 to 64	Consultants, e Single		Tax Agent	No PHI	58098	390	57708	0.001967768
490	27136	Male	45 to 49	Technicians a Partnered		Tax Agent	PHI	37678	781	36897	0.001970347
491	13455	Female	50 to 54	Community ar Partnered		Tax Agent	PHI	20308	2682	17626	0.001972733
492	146136	Male	25 to 29	Occupation nc Single		Tax Agent	PHI	-1	0	-1	0.001975245
493	95893	Male	70 and over	Occupation nc Partnered		Tax Agent	No PHI	15720	0	15720	0.001977017
494	82787	Male	50 to 54	Labourers Partnered		Tax Agent	PHI	82009	8890	73119	0.001987912
495	198695	Male	50 to 54	Technicians a Partnered		Self Prepared	PHI	145800	13455	132345	0.001989852
496	101324	Male	45 to 49	Labourers Partnered		Tax Agent	PHI	68598	872	67726	0.001996442
497	13852	Male	55 to 59	Managers Partnered		Tax Agent	PHI	276810	9941	266869	0.001997137
498	152758	Female	30 to 34	Clerical and A Single		Self Prepared	No PHI	12208	319	11889	0.002004376
499	82899	Female	60 to 64	Consultants, e Single		Tax Agent	No PHI	30108	131	29977	0.00200577
500	23967	Female	50 to 54	Clerical and A Partnered		Self Prepared	PHI	37299	365	36934	0.002007065
501	239185	Male	35 to 39	Occupation nc Partnered		Tax Agent	No PHI	0	0	0	0.002011522
502	5945	Female	60 to 64	Clerical and A Partnered		Tax Agent	PHI	15040	0	15040	0.002016143
503	51709	Female	55 to 59	Consultants, e Partnered		Tax Agent	PHI	86965	2722	84243	0.002016977
504	161675	Female	25 to 29	Managers Single		Tax Agent	PHI	75623	5684	69939	0.002018836
505	165196	Female	35 to 39	Labourers Single		Self Prepared	No PHI	18527	160	18367	0.00202929
506	108728	Female	20 to 24	Clerical and A Single		Tax Agent	No PHI	22404	2762	19642	0.002034417
507	81081	Male	60 to 64	Machinery op: Partnered		Tax Agent	No PHI	4533	0	4533	0.002041446

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
506	108728	Female	20 to 24	Clerical and A Single	Tax Agent	No PHI	22404	2762	19642	0.002034417	
507	81081	Male	60 to 64	Machinery op/ Partnered	Tax Agent	No PHI	4533	0	4533	0.002041446	
508	219600	Female	40 to 44	Consultants, a Single	Tax Agent	No PHI	27189	272	26917	0.002042175	
509	141845	Female	under 20	Sales workers/ Single	Self Prepared	PHI	12872	348	12524	0.002045023	
510	45038	Male	40 to 44	Consultants, a Single	Self Prepared	PHI	68940	255	68685	0.002048822	
511	125588	Female	30 to 34	Professionals Partnered	Tax Agent	PHI	79141	445	78696	0.002049526	
512	117973	Male	under 20	Sales workers/ Single	Tax Agent	No PHI	17501	276	17225	0.002052121	
513	234342	Male	40 to 44	Managers Partnered	Tax Agent	PHI	124200	566	123634	0.002053686	
514	29656	Female	55 to 59	Clerical and A Partnered	Tax Agent	No PHI	37680	3040	34640	0.002055018	
515	167423	Male	35 to 39	Professionals Single	Self Prepared	PHI	37904	879	37025	0.002059643	
516	246762	Female	20 to 24	Sales workers/ Single	Tax Agent	PHI	23903	270	23633	0.002068593	
517	92397	Male	70 and over	Occupation nc Single	Self Prepared	No PHI	2202	0	2202	0.002076658	
518	12634	Female	70 and over	Occupation nc Single	Self Prepared	No PHI	25808	0	25808	0.00207889	
519	130958	Female	25 to 29	Professionals Single	Tax Agent	PHI	72205	473	71732	0.002081293	
520	216865	Female	45 to 49	Managers Single	Self Prepared	PHI	136596	4397	132199	0.002087534	
521	177428	Female	25 to 29	Sales workers/ Partnered	Tax Agent	No PHI	39065	2290	36775	0.002088476	
522	89156	Male	60 to 64	Occupation nc Single	Self Prepared	No PHI	1799	0	1799	0.002090938	
523	249263	Male	25 to 29	Consultants, a Single	Tax Agent	No PHI	8086	0	8086	0.002092949	
524	105842	Female	30 to 34	Occupation nc Single	Self Prepared	No PHI	19360	0	19360	0.002095614	
525	241829	Male	30 to 34	Managers Partnered	Self Prepared	No PHI	40783	168	40615	0.002103812	
526	241934	Male	25 to 29	Professionals Partnered	Self Prepared	No PHI	56803	4947	51856	0.002106878	
527	247858	Male	20 to 24	Labourers Single	Tax Agent	No PHI	57979	301	57678	0.002108114	
528	191184	Male	50 to 54	Managers Partnered	Tax Agent	PHI	2132038	164029	1968009	0.002108873	
529	72703	Male	35 to 39	Clerical and A Partnered	Self Prepared	PHI	48996	212	48784	0.002109589	
530	47749	Female	50 to 54	Occupation nc Single	Tax Agent	No PHI	19196	0	19196	0.002116952	
531	58543	Male	40 to 44	Labourers Partnered	Tax Agent	PHI	76856	5210	71646	0.002128338	
532	210793	Female	55 to 59	Professionals Partnered	Tax Agent	PHI	57349	1235	56114	0.002134924	
533	127382	Female	40 to 44	Managers Partnered	Tax Agent	No PHI	10701	46	10655	0.002137436	
534	157435	Male	20 to 24	Community ar Single	Tax Agent	No PHI	23978	382	23596	0.002142907	
535	118192	Female	under 20	Sales workers/ Single	Self Prepared	No PHI	26294	1478	24816	0.002146016	
536	12252	Female	50 to 54	Managers Partnered	Tax Agent	PHI	46952	884	46068	0.002148701	
537	213556	Female	50 to 54	Professionals Partnered	Tax Agent	PHI	4514	1110	3404	0.002150607	
538	134910	Female	35 to 39	Technicians a Single	Tax Agent	PHI	74444	4388	70056	0.002152477	
539	240520	Female	25 to 29	Professionals Partnered	Tax Agent	PHI	50908	1564	49344	0.002152624	
540	5107	Male	55 to 59	Clerical and A Partnered	Tax Agent	No PHI	70514	436	70078	0.00215302	
541	129410	Male	30 to 34	Occupation nc Single	Tax Agent	No PHI	42010	279	41731	0.002154777	
542	99148	Male	65 to 69	Consultants, a Single	Self Prepared	PHI	27910	0	27910	0.002155034	
543	154528	Male	45 to 49	Professionals Single	Tax Agent	PHI	76215	910	75305	0.002163263	
544	231664	Male	30 to 34	Labourers Partnered	Tax Agent	No PHI	38593	1465	37128	0.002165026	
545	127297	Female	35 to 39	Professionals Partnered	Self Prepared	PHI	90619	712	89907	0.002170637	
546	147986	Male	under 20	Consultants, a Single	Self Prepared	No PHI	16994	45	16949	0.002183225	
547	198825	Male	50 to 54	Professionals Partnered	Tax Agent	PHI	106672	963	105709	0.002188769	
548	228901	Female	20 to 24	Labourers Single	Tax Agent	No PHI	30642	611	30031	0.002188783	
549	174168	Male	30 to 34	Occupation nc Partnered	Tax Agent	PHI	95816	32	95784	0.002189833	
550	122440	Female	30 to 34	Managers Single	Tax Agent	No PHI	56926	319	56607	0.002189894	
551	54790	Male	40 to 44	Managers Partnered	Self Prepared	PHI	87603	0	87603	0.002191323	
552	124363	Female	20 to 24	Sales workers/ Single	Self Prepared	PHI	18563	0	18563	0.002192821	
553	128314	Male	30 to 34	Labourers Single	Tax Agent	No PHI	75323	6047	69276	0.002201756	
554	105612	Male	35 to 39	Machinery op/ Single	Tax Agent	No PHI	48026	466	47560	0.002208135	
555	60564	Female	25 to 29	Clerical and A Partnered	Tax Agent	PHI	40784	466	40318	0.002228245	
556	185151	Female	45 to 49	Occupation nc Partnered	Tax Agent	PHI	102357	6530	95827	0.002232614	
557	133934	Male	35 to 39	Professionals Partnered	Tax Agent	No PHI	57152	3783	53369	0.002237795	
558	44367	Male	40 to 44	Occupation nc Partnered	Tax Agent	PHI	51764	154	51610	0.002246635	
559	59478	Female	40 to 44	Clerical and A Partnered	Self Prepared	PHI	13988	415	13573	0.002250299	
560	202217	Female	60 to 64	Occupation nc Partnered	Tax Agent	PHI	81125	2522	78603	0.002255061	
561	88508	Male	55 to 59	Professionals Partnered	Tax Agent	PHI	1030874	4482	1026392	0.002263066	
562	15921	Female	50 to 54	Community ar Single	Tax Agent	PHI	49796	2016	47780	0.002264137	
563	36862	Male	45 to 49	Professionals Partnered	Tax Agent	PHI	146063	1027	145036	0.002264883	
564	216164	Female	55 to 59	Clerical and A Partnered	Tax Agent	PHI	50757	248	50509	0.002268216	
565	175336	Male	30 to 34	Machinery op/ Single	Tax Agent	No PHI	37140	82	37058	0.002270841	
566	166133	Female	30 to 34	Labourers Partnered	Self Prepared	No PHI	23815	43	23772	0.002272156	
567	134340	Female	25 to 29	Consultants, a Single	Self Prepared	No PHI	11298	0	11298	0.00228209	
568	250888	Male	25 to 29	Technicians a Partnered	Tax Agent	PHI	99228	2540	96688	0.002284766	
569	234952	Female	35 to 39	Sales workers/ Partnered	Tax Agent	PHI	15893	625	15268	0.002286287	
570	231411	Male	30 to 34	Clerical and A Partnered	Tax Agent	No PHI	48775	409	48366	0.002293325	
571	32526	Female	40 to 44	Sales workers/ Partnered	Tax Agent	No PHI	22527	679	21848	0.002298139	
572	224633	Male	20 to 24	Technicians a Single	Tax Agent	PHI	54973	2268	52705	0.002299858	
573	112719	Male	30 to 34	Professionals Partnered	Self Prepared	PHI	100278	3395	96883	0.002300172	
574	63280	Male	35 to 39	Managers Single	Self Prepared	PHI	175600	6028	169572	0.002304132	
575	43593	Male	45 to 49	Occupation nc Partnered	Tax Agent	PHI	15426	0	15426	0.002304509	
576	2875	Male	60 to 64	Professionals Partnered	Self Prepared	PHI	72237	1811	70426	0.002304968	
577	14879	Male	50 to 54	Occupation nc Partnered	Tax Agent	PHI	109878	18102	91776	0.002305242	
578	158136	Male	35 to 39	Managers Partnered	Tax Agent	PHI	214818	18670	196148	0.002312782	
579	16573	Male	45 to 49	Technicians a Partnered	Tax Agent	PHI	80777	4339	76438	0.002316372	

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
578	158136	Male	35 to 39	Managers	Partnered	Tax Agent	PHI	214818	18670	196148	0.002312782
579	16573	Male	45 to 49	Technicians a Partnered	Partnered	Tax Agent	PHI	80777	4339	76438	0.002316372
580	71594	Female	35 to 39	Professionals	Single	Self Prepared	PHI	57678	84	57594	0.002324393
581	206009	Female	45 to 49	Professionals	Partnered	Tax Agent	PHI	78746	11090	67656	0.002325967
582	12584	Male	50 to 54	Managers	Partnered	Tax Agent	PHI	222801	5294	217507	0.00235017
583	140815	Male	20 to 24	Labourers	Single	Tax Agent	PHI	136478	275	136203	0.002340972
584	81297	Male	60 to 64	Managers	Partnered	Self Prepared	PHI	92127	49	92078	0.002350251
585	239857	Female	55 to 59	Professionals	Partnered	Tax Agent	PHI	84528	352	84176	0.002351977
586	250190	Female	20 to 24	Clerical and A Single	Single	Self Prepared	PHI	28652	5245	23407	0.00235241
587	22297	Female	45 to 49	Community ar	Partnered	Tax Agent	PHI	70792	1570	69222	0.002356887
588	79523	Male	60 to 64	Labourers	Single	Tax Agent	No PHI	20354	307	20047	0.002361088
589	249406	Female	45 to 49	Sales worker	Single	Tax Agent	No PHI	38497	424	38073	0.002367548
590	148726	Female	30 to 34	Clerical and A Single	Single	Tax Agent	No PHI	50020	8319	41701	0.002372221
591	204145	Male	50 to 54	Occupation nt	Single	Tax Agent	PHI	105630	3713	101917	0.002372453
592	148171	Male	20 to 24	Labourers	Single	Tax Agent	No PHI	19791	264	19527	0.002375168
593	236281	Male	20 to 24	Consultants, a	Single	Self Prepared	PHI	27613	834	26779	0.002384392
594	118131	Male	40 to 44	Professionals	Partnered	Tax Agent	PHI	8334	326	8008	0.002384712
595	234695	Male	20 to 24	Community ar	Single	Tax Agent	PHI	78133	1405	76728	0.002394397
596	172692	Female	20 to 24	Consultants, a	Single	Tax Agent	No PHI	28382	145	28237	0.002397439
597	40895	Male	70 and over	Clerical and A	Partnered	Tax Agent	PHI	80122	591	79531	0.002398849
598	154011	Female	25 to 29	Clerical and A	Single	Self Prepared	PHI	68853	319	68534	0.002406695
599	248644	Male	40 to 44	Technicians a	Partnered	Tax Agent	PHI	122351	921	121430	0.002407441
600	106226	Female	25 to 29	Community ar	Partnered	Self Prepared	PHI	65834	2454	63380	0.00241345
601	91670	Female	60 to 64	Community ar	Single	Self Prepared	PHI	42490	328	42162	0.002420951
602	208180	Male	65 to 69	Consultants, a	Partnered	Tax Agent	PHI	109943	19464	90479	0.002426775
603	4670	Female	55 to 59	Community ar	Partnered	Tax Agent	No PHI	36757	722	36035	0.002427
604	46703	Female	65 to 69	Clerical and A	Partnered	Self Prepared	PHI	41491	275	41216	0.002433944
605	228287	Female	25 to 29	Consultants, a	Single	Tax Agent	PHI	45365	858	44507	0.002439193
606	123735	Female	25 to 29	Occupation nt	Single	Tax Agent	No PHI	13733	483	13250	0.002441175
607	47331	Female	40 to 44	Sales workers	Partnered	Self Prepared	PHI	32392	160	32232	0.002444602
608	194840	Male	45 to 49	Managers	Partnered	Tax Agent	PHI	64401	262	64139	0.002448304
609	221708	Female	20 to 24	Professionals	Single	Tax Agent	No PHI	68484	5646	62838	0.002449441
610	1040	Male	70 and over	Managers	Partnered	Tax Agent	PHI	40742	326	40416	0.002456485
611	204650	Male	65 to 69	Occupation nt	Single	Tax Agent	PHI	56472	137	56335	0.002457247
612	68812	Female	45 to 49	Professionals	Partnered	Self Prepared	PHI	30372	2416	27956	0.002458609
613	252613	Male	25 to 29	Community ar	Single	Tax Agent	PHI	97265	19928	77337	0.002461348
614	34702	Female	45 to 49	Professionals	Partnered	Self Prepared	PHI	88302	2320	85982	0.002462919
615	113538	Female	45 to 49	Professionals	Partnered	Self Prepared	PHI	72606	489	72117	0.002470632
616	26886	Male	40 to 44	Technicians a	Partnered	Tax Agent	PHI	72950	6490	66460	0.002474389
617	214778	Female	45 to 49	Clerical and A	Partnered	Tax Agent	No PHI	42274	430	41844	0.002477022
618	201329	Female	55 to 59	Clerical and A	Single	Self Prepared	PHI	64808	712	64096	0.002481515
619	209779	Male	65 to 69	Consultants, a	Single	Self Prepared	PHI	33536	705	32831	0.002493195
620	241227	Female	20 to 24	Technicians a	Single	Self Prepared	PHI	26730	1418	25312	0.002505376
621	160970	Male	40 to 44	Consultants, a	Partnered	Self Prepared	PHI	168265	2403	165862	0.002505398
622	220884	Female	20 to 24	Professionals	Partnered	Tax Agent	No PHI	63354	670	62684	0.002506109
623	38217	Female	45 to 49	Clerical and A	Partnered	Tax Agent	PHI	40903	817	40086	0.002507993
624	28366	Female	40 to 44	Clerical and A	Partnered	Tax Agent	PHI	17535	0	17535	0.002515132
625	167155	Male	30 to 34	Occupation nt	Partnered	Tax Agent	PHI	61311	2862	58449	0.002515258
626	79753	Female	60 to 64	Managers	Single	Tax Agent	No PHI	14228	0	14228	0.002518592
627	35845	Female	55 to 59	Occupation nt	Single	Tax Agent	PHI	387	98	289	0.002525536
628	64606	Female	35 to 39	Community ar	Partnered	Tax Agent	No PHI	21766	345	21421	0.002526608
629	141097	Male	25 to 29	Sales workers	Single	Tax Agent	No PHI	40315	4904	35411	0.002526655
630	185845	Male	65 to 69	Occupation nt	Partnered	Tax Agent	PHI	2910	0	2910	0.002528032
631	27342	Female	45 to 49	Community ar	Single	Self Prepared	PHI	33270	591	32679	0.002535064
632	228584	Female	25 to 29	Consultants, a	Single	Tax Agent	No PHI	17232	363	16869	0.002545799
633	131608	Male	50 to 54	Occupation nt	Partnered	Tax Agent	PHI	165419	6535	158884	0.002550249
634	38533	Female	40 to 44	Clerical and A	Partnered	Self Prepared	PHI	52506	142	52364	0.002552828
635	187423	Female	70 and over	Occupation nt	Single	Self Prepared	No PHI	6713	0	6713	0.002556883
636	173404	Male	30 to 34	Machinery op.	Partnered	Tax Agent	PHI	104578	4702	99876	0.002559953
637	195757	Male	65 to 69	Labourers	Partnered	Tax Agent	No PHI	70706	2410	68296	0.00256021
638	221312	Male	25 to 29	Sales workers	Single	Self Prepared	No PHI	3692	0	3692	0.002561737
639	36512	Male	55 to 59	Occupation nt	Single	Tax Agent	No PHI	4903	396	4507	0.002563589
640	165108	Female	under 20	Labourers	Single	Tax Agent	PHI	2968	0	2968	0.002564325
641	216586	Female	55 to 59	Clerical and A	Partnered	Tax Agent	No PHI	21560	506	21054	0.002578715
642	92420	Male	60 to 64	Labourers	Partnered	Tax Agent	No PHI	51284	654	50630	0.002582019
643	73763	Male	35 to 39	Labourers	Single	Self Prepared	No PHI	2797	0	2797	0.00258221
644	239874	Male	20 to 24	Professionals	Single	Tax Agent	No PHI	54083	1977	52106	0.002593108
645	218046	Female	70 and over	Occupation nt	Partnered	Tax Agent	PHI	18184	81	18103	0.002596037
646	54192	Male	55 to 59	Technicians a	Partnered	Self Prepared	No PHI	67469	381	67088	0.002597143
647	48948	Male	40 to 44	Clerical and A	Single	Tax Agent	PHI	130225	1234	128991	0.002597833
648	20880	Male	45 to 49	Professionals	Partnered	Tax Agent	PHI	169689	22004	147685	0.002603268
649	17238	Male	40 to 44	Occupation nt	Partnered	Tax Agent	PHI	0	0	0	0.002605222
650	254532	Female	20 to 24	Sales workers	Single	Tax Agent	No PHI	18842	367	18475	0.002607722
651	47141	Female	40 to 44	Professionals	Single	Tax Agent	No PHI	19108	630	18478	0.002608341

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
650	254532	Female	20 to 24	Sales workers	Single	Tax Agent	No PHI	18842	367	18475	0.002607722
651	47141	Female	40 to 44	Professionals	Single	Tax Agent	No PHI	19108	630	18478	0.002608341
652	216192	Female	55 to 59	Consultants, a	Single	Self Prepared	PHI	42276	0	42276	0.00260982
653	90161	Female	70 and over	Occupation n	Partnered	Tax Agent	No PHI	18245	335	17910	0.002617941
654	186844	Male	65 to 69	Occupation n	Partnered	Tax Agent	PHI	1379712	39085	1340627	0.002620594
655	157040	Female	under 20	Sales workers	Single	Tax Agent	No PHI	4929	49	4880	0.00262602
656	148162	Female	30 to 34	Labourers	Partnered	Tax Agent	No PHI	14766	296	14470	0.002626642
657	178553	Male	under 20	Technicians a	Single	Self Prepared	No PHI	19516	1115	18401	0.002627296
658	56297	Female	40 to 44	Sales workers	Partnered	Tax Agent	No PHI	32915	975	31940	0.002628407
659	46967	Male	45 to 49	Labourers	Partnered	Tax Agent	No PHI	28853	267	28586	0.002630513
660	193718	Female	50 to 54	Community ar	Partnered	Tax Agent	PHI	26534	1258	25276	0.00263377
661	47392	Female	40 to 44	Consultants, a	Partnered	Tax Agent	PHI	79167	5511	73656	0.00263723
662	256831	Male	35 to 39	Technicians a	Single	Tax Agent	No PHI	15928	0	15928	0.002643106
663	240903	Female	20 to 24	Consultants, a	Partnered	Self Prepared	PHI	66437	4876	61561	0.002647013
664	234343	Female	20 to 24	Professionals	Single	Tax Agent	No PHI	49527	1223	48304	0.002654417
665	203448	Male	70 and over	Consultants, a	Partnered	Tax Agent	PHI	76198	1169	75029	0.002655052
666	258638	Male	30 to 34	Managers	Single	Self Prepared	PHI	47111	826	46285	0.002656016
667	135524	Male	30 to 34	Professionals	Partnered	Self Prepared	No PHI	80518	7456	73062	0.002658891
668	203776	Female	55 to 59	Professionals	Partnered	Tax Agent	PHI	33815	581	33234	0.002664342
669	33803	Male	40 to 44	Occupation n	Partnered	Tax Agent	No PHI	18231	0	18231	0.002666917
670	39819	Male	65 to 69	Labourers	Partnered	Tax Agent	No PHI	44743	1038	43705	0.002669639
671	23921	Male	45 to 49	Labourers	Partnered	Tax Agent	No PHI	56843	1193	55650	0.00267403
672	58822	Female	35 to 39	Professionals	Partnered	Self Prepared	PHI	81402	2965	78437	0.002678994
673	34185	Male	40 to 44	Managers	Partnered	Tax Agent	PHI	340341	15810	324531	0.002704241
674	111242	Male	20 to 24	Consultants, a	Single	Self Prepared	No PHI	8887	0	8887	0.002707195
675	83420	Male	65 to 69	Consultants, a	Single	Tax Agent	PHI	54980	0	54980	0.002716264
676	235194	Male	35 to 39	Professionals	Partnered	Tax Agent	PHI	111903	13701	98202	0.002722042
677	151152	Male	35 to 39	Professionals	Partnered	Tax Agent	PHI	97516	4444	93072	0.002737215
678	29242	Female	70 and over	Clerical and A	Partnered	Tax Agent	PHI	25823	165	25658	0.002739029
679	189285	Male	60 to 64	Professionals	Partnered	Self Prepared	PHI	49326	3251	46075	0.002750676
680	178	Male	70 and over	Occupation n	Partnered	Tax Agent	No PHI	17416	428	16988	0.002752295
681	22902	Female	40 to 44	Labourers	Partnered	Tax Agent	PHI	33141	724	32417	0.002752932
682	67520	Male	35 to 39	Community ar	Partnered	Tax Agent	PHI	74051	5151	68900	0.002757678
683	25245	Male	45 to 49	Occupation n	Partnered	Tax Agent	PHI	37549	20	37529	0.002767434
684	140401	Male	30 to 34	Labourers	Single	Tax Agent	No PHI	5171	0	5171	0.002768352
685	84486	Female	60 to 64	Occupation n	Partnered	Tax Agent	PHI	13007	177	12830	0.002769904
686	38881	Male	35 to 39	Occupation n	Partnered	Tax Agent	PHI	60517	0	60517	0.002773731
687	83349	Female	50 to 54	Occupation n	Partnered	Tax Agent	No PHI	3	0	3	0.002777135
688	60651	Female	35 to 39	Professionals	Partnered	Tax Agent	PHI	66301	4345	61956	0.002779403
689	134696	Female	under 20	Consultants, a	Single	Tax Agent	No PHI	11793	144	11649	0.002782679
690	203368	Female	50 to 54	Professionals	Single	Tax Agent	No PHI	5719	0	5719	0.002795415
691	151602	Female	45 to 49	Professionals	Single	Tax Agent	No PHI	7449	0	7449	0.002796691
692	228872	Female	30 to 34	Clerical and A	Single	Self Prepared	No PHI	28532	461	28071	0.00279726
693	175295	Female	40 to 44	Professionals	Partnered	Tax Agent	PHI	147495	3079	144416	0.002803104
694	106019	Male	25 to 29	Managers	Partnered	Tax Agent	PHI	43771	8762	35009	0.002808474
695	105886	Male	35 to 39	Consultants, a	Single	Tax Agent	No PHI	40021	903	39118	0.002810093
696	126732	Male	30 to 34	Labourers	Partnered	Self Prepared	No PHI	7484	0	7484	0.002811327
697	193123	Male	45 to 49	Managers	Partnered	Self Prepared	PHI	115929	188	115741	0.002818148
698	82125	Female	50 to 54	Community ar	Partnered	Tax Agent	No PHI	86573	587	85986	0.002818679
699	35952	Female	40 to 44	Managers	Single	Tax Agent	PHI	124769	736	124033	0.002822866
700	135521	Female	35 to 39	Occupation n	Partnered	Tax Agent	No PHI	187	118	69	0.002824822
701	121022	Male	35 to 39	Clerical and A	Partnered	Tax Agent	PHI	40087	772	39315	0.002825352
702	99581	Female	55 to 59	Professionals	Single	Self Prepared	No PHI	70020	8753	61267	0.002827092
703	214632	Female	55 to 59	Technicians a	Partnered	Tax Agent	PHI	18617	437	18180	0.002832271
704	98604	Female	55 to 59	Consultants, a	Single	Self Prepared	No PHI	19364	223	19141	0.002836585
705	65630	Male	35 to 39	Community ar	Partnered	Tax Agent	PHI	94852	141	94711	0.002838095
706	70436	Male	35 to 39	Managers	Partnered	Tax Agent	PHI	100738	7854	92884	0.002842816
707	32497	Female	40 to 44	Occupation n	Partnered	Tax Agent	PHI	20490	114	20376	0.002850525
708	201289	Male	60 to 64	Consultants, a	Partnered	Tax Agent	PHI	183732	10675	173057	0.002854655
709	162359	Male	25 to 29	Technicians a	Partnered	Tax Agent	No PHI	61673	465	61208	0.002856806
710	155117	Female	20 to 24	Consultants, a	Single	Self Prepared	PHI	64334	0	64334	0.002862157
711	176348	Male	25 to 29	Consultants, a	Single	Tax Agent	No PHI	41598	7299	34299	0.002863769
712	118094	Male	45 to 49	Professionals	Partnered	Tax Agent	PHI	186331	1680	184651	0.0028693087
713	17392	Male	45 to 49	Professionals	Partnered	Tax Agent	PHI	348742	261	348481	0.00287373
714	229650	Female	20 to 24	Community ar	Single	Self Prepared	PHI	44452	4281	40171	0.002873769
715	126530	Male	30 to 34	Technicians a	Partnered	Tax Agent	No PHI	4089	0	4089	0.00288532
716	226537	Male	20 to 24	Community ar	Single	Self Prepared	PHI	45646	448	45198	0.002885551
717	174208	Male	30 to 34	Sales workers	Partnered	Self Prepared	No PHI	54881	456	54425	0.002887579
718	87178	Male	60 to 64	Labourers	Partnered	Tax Agent	No PHI	19334	275	19059	0.002893087
719	42289	Female	40 to 44	Professionals	Single	Tax Agent	PHI	108204	12	108192	0.002893771
720	3180	Male	60 to 64	Professionals	Partnered	Tax Agent	PHI	134515	319	134196	0.00289709
721	219577	Male	40 to 44	Occupation n	Single	Tax Agent	No PHI	1011	0	1011	0.002897822
722	60106	Female	50 to 54	Community ar	Single	Self Prepared	No PHI	54230	753	53477	0.002904448
723	247692	Female	30 to 34	Sales workers	Partnered	Tax Agent	PHI	112859	7224	105635	0.002905585

1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
722	60106	Female	50 to 54	Community ar Single	Self Prepared	No PHI	54230	753	53477	0.002904448	
723	247692	Female	30 to 34	Sales worker: Partnered	Tax Agent	PHI	112859	7224	105635	0.002905585	
724	53109	Female	60 to 64	Occupation nc Single	Tax Agent	PHI	10053	0	10053	0.002911023	
725	242711	Male	20 to 24	Clerical and A Single	Self Prepared	PHI	15069	0	15069	0.002911313	
726	220470	Female	25 to 29	Clerical and A Single	Self Prepared	No PHI	46636	1308	45328	0.002915244	
727	91377	Male	60 to 64	Labourers Partnered	Tax Agent	PHI	36495	587	35908	0.002917649	
728	234280	Female	20 to 24	Consultants, & Partnered	Self Prepared	No PHI	17443	0	17443	0.002921074	
729	127920	Female	35 to 39	Clerical and A Partnered	Self Prepared	No PHI	2173	432	1741	0.002921191	
730	251308	Male	under 20	Labourers Single	Tax Agent	No PHI	21242	2425	18817	0.002926568	
731	205297	Female	50 to 54	Professionals Partnered	Tax Agent	PHI	104375	4314	100061	0.002930022	
732	179519	Male	under 20	Occupation nc Single	Tax Agent	PHI	165	0	165	0.002933266	
733	23834	Female	40 to 44	Managers Partnered	Tax Agent	PHI	60341	8531	51810	0.002947124	
734	85176	Female	50 to 54	Sales worker: Single	Self Prepared	PHI	32538	1390	31148	0.00296068	
735	82870	Male	50 to 54	Managers Partnered	Tax Agent	PHI	94267	318	93949	0.002961944	
736	177889	Female	25 to 29	Professionals Single	Self Prepared	No PHI	41032	3237	37795	0.002967235	
737	206452	Female	45 to 49	Professionals Partnered	Tax Agent	PHI	59224	576	58648	0.002967852	
738	183426	Male	70 and over	Occupation nc Partnered	Tax Agent	PHI	22020	0	22020	0.002973784	
739	208713	Female	70 and over	Occupation nc Single	Self Prepared	No PHI	24523	11	24512	0.002990484	
740	182466	Male	70 and over	Occupation nc Single	Tax Agent	PHI	428306	2234	426072	0.002992048	
741	89458	Male	55 to 59	Machinery op: Single	Tax Agent	PHI	74233	4597	69636	0.002993774	
742	59103	Male	35 to 39	Technicians a Partnered	Tax Agent	No PHI	64739	1631	63108	0.002998879	
743	68680	Male	35 to 39	Managers Partnered	Tax Agent	PHI	108184	23699	84485	0.003005514	
744	191311	Male	50 to 54	Technicians a Partnered	Tax Agent	No PHI	137469	10191	127278	0.00300744	
745	158954	Male	30 to 34	Consultants, & Single	Self Prepared	No PHI	19641	99	19542	0.003009564	
746	171709	Male	under 20	Consultants, & Single	Tax Agent	No PHI	30965	387	30578	0.003016306	
747	11069	Female	65 to 69	Consultants, & Partnered	Tax Agent	PHI	28584	440	28144	0.00302275	
748	75871	Female	35 to 39	Clerical and A Partnered	Tax Agent	PHI	61604	3998	57606	0.00302683	
749	50192	Female	40 to 44	Managers Single	Self Prepared	No PHI	61090	8143	52947	0.003032346	
750	257719	Female	20 to 24	Consultants, & Single	Self Prepared	No PHI	17030	130	16900	0.003038843	
751	232056	Male	25 to 29	Machinery op: Partnered	Tax Agent	No PHI	91740	5607	86133	0.003040613	
752	81931	Male	70 and over	Occupation nc Partnered	Tax Agent	No PHI	32603	0	32603	0.00304648	
753	16137	Male	55 to 59	Professionals Partnered	Tax Agent	No PHI	102698	11347	91351	0.003051207	
754	34565	Female	45 to 49	Technicians a Partnered	Tax Agent	PHI	42022	2986	39036	0.003052225	
755	112206	Female	30 to 34	Labourers Single	Tax Agent	No PHI	45731	4586	41145	0.003053427	
756	159801	Female	30 to 34	Clerical and A Single	Tax Agent	PHI	85401	1112	84289	0.003054201	
757	170578	Male	20 to 24	Sales worker: Single	Tax Agent	No PHI	3411	0	3411	0.00306031	
758	143594	Female	30 to 34	Sales worker: Partnered	Tax Agent	PHI	16618	0	16618	0.003061067	
759	47184	Male	45 to 49	Machinery op: Partnered	Tax Agent	No PHI	73954	3970	69984	0.003062683	
1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
758	143594	Female	30 to 34	Sales workers: Partnered	Tax Agent	PHI	16618	0	16618	0.003061067	
759	47184	Male	45 to 49	Machinery op: Partnered	Tax Agent	No PHI	73954	3970	69984	0.003062683	
760	184663	Female	45 to 49	Labourers Single	Tax Agent	No PHI	59483	3936	55547	0.003067994	
761	251870	Male	20 to 24	Machinery op: Single	Self Prepared	PHI	23933	0	23933	0.003070277	
762	110620	Male	20 to 24	Technicians a Single	Tax Agent	No PHI	40989	316	40673	0.003071364	
763	194829	Female	45 to 49	Clerical and A Partnered	Tax Agent	PHI	50863	3586	47277	0.003073601	
764	135740	Male	30 to 34	Managers Partnered	Tax Agent	No PHI	88338	6087	82251	0.003073721	
765	98256	Male	50 to 54	Professionals Partnered	Tax Agent	PHI	21794	282	21512	0.003074076	
766	248235	Female	30 to 34	Community ar Partnered	Tax Agent	No PHI	1969	0	1969	0.003089808	
767	51322	Female	40 to 44	Community ar Single	Self Prepared	No PHI	21236	500	20736	0.003103219	
768	44278	Female	70 and over	Occupation nc Single	Tax Agent	PHI	28191	174	28017	0.003104093	
769	20317	Male	45 to 49	Occupation nc Partnered	Tax Agent	PHI	97623	1654	95969	0.003104556	
770	18916	Female	45 to 49	Sales workers: Partnered	Self Prepared	No PHI	7663	234	7429	0.003109489	
771	85076	Male	45 to 49	Sales workers: Partnered	Self Prepared	No PHI	61776	220	61556	0.003110394	
772	123887	Female	25 to 29	Professionals Partnered	Tax Agent	PHI	44203	3006	41197	0.003114957	
773	152093	Male	30 to 34	Clerical and A Partnered	Tax Agent	No PHI	52011	1457	50554	0.003118264	
774	113318	Male	30 to 34	Consultants, & Single	Self Prepared	No PHI	37973	552	37421	0.003119664	
775	70298	Female	35 to 39	Community ar Single	Self Prepared	No PHI	16357	0	16357	0.003122121	
776	179646	Female	30 to 34	Professionals Partnered	Self Prepared	No PHI	105278	174	105104	0.003122823	
777	174746	Female	30 to 34	Occupation nc Partnered	Tax Agent	PHI	41277	7107	34170	0.003127742	
778	216880	Male	50 to 54	Labourers Single	Tax Agent	No PHI	57217	785	56432	0.003128037	
779	27483	Male	45 to 49	Managers Single	Tax Agent	PHI	62656	543	62113	0.003129521	
780	51168	Female	40 to 44	Professionals Partnered	Tax Agent	PHI	41451	3426	38025	0.003130267	
781	18376	Female	45 to 49	Consultants, & Partnered	Self Prepared	PHI	317	314	3	0.003134839	
782	162956	Male	20 to 24	Sales workers: Single	Tax Agent	No PHI	25453	409	25044	0.003143432	
783	30985	Female	45 to 49	Managers Partnered	Tax Agent	PHI	60656	11986	48670	0.003147038	
784	14270	Male	60 to 64	Occupation nc Single	Tax Agent	No PHI	13262	104	13158	0.003147244	
785	238304	Female	45 to 49	Professionals Partnered	Self Prepared	PHI	188605	307	188298	0.003149607	
786	133788	Male	35 to 39	Technicians a Partnered	Tax Agent	No PHI	83862	7423	76439	0.003151197	
787	225239	Male	25 to 29	Community ar Single	Self Prepared	PHI	28766	0	28766	0.003155213	
788	256091	Male	20 to 24	Labourers Single	Tax Agent	No PHI	25995	5421	20574	0.003156008	
789	50375	Female	40 to 44	Managers Single	Self Prepared	PHI	59296	1905	57391	0.003156296	
790	109456	Female	25 to 29	Consultants, & Single	Tax Agent	No PHI	44290	1977	42313	0.003158132	
791	110275	Female	20 to 24	Consultants, & Single	Self Prepared	PHI	16279	1797	14482	0.003169524	
792	41159	Male	55 to 59	Professionals Partnered	Self Prepared	PHI	89405	1693	87712	0.003170513	
793	134570	Female	25 to 29	Consultants, & Single	Tax Agent	No PHI	23552	278	23274	0.003177439	
794	208904	Male	70 and over	Occupation nc Single	Tax Agent	PHI	55309	9342	45967	0.003182763	
795	174128	Female	30 to 34	Clerical and A Single	Self Prepared	PHI	30407	494	29913	0.003191518	

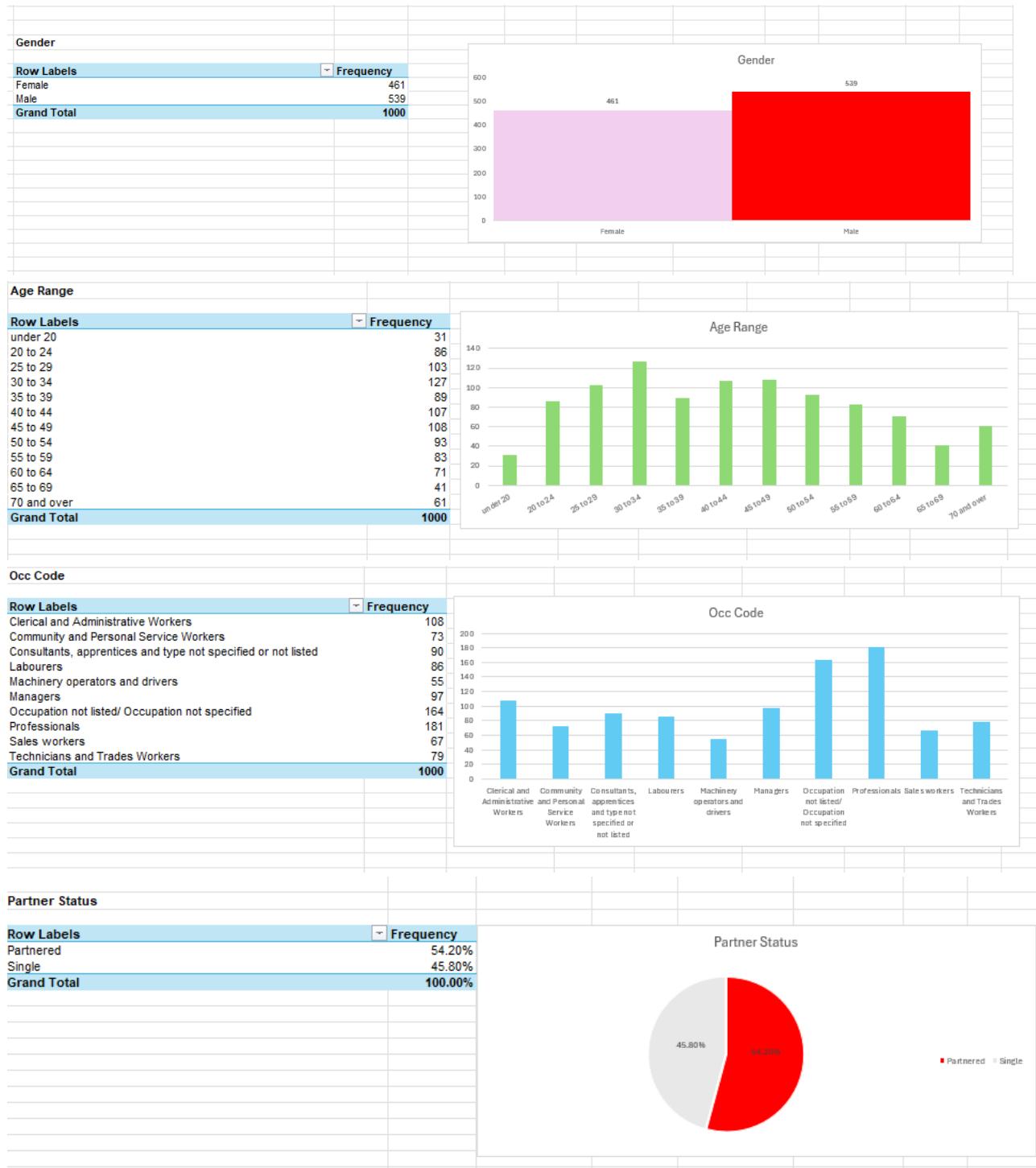
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794	208904	Male	70 and over	Occupation n Single	Tax Agent	PHI	55309	9342	45967	0.003182763	
795	174128	Female	30 to 34	Clerical and A Single	Self Prepared	PHI	30407	494	29913	0.003191518	
796	76385	Male	40 to 44	Sales workers Partnered	Self Prepared	No PHI	50853	334	50519	0.003191687	
797	146258	Female	60 to 64	Consultants, e Single	Self Prepared	No PHI	35239	1187	34052	0.00319919	
798	154648	Female	25 to 29	Clerical and A Single	Tax Agent	No PHI	51426	609	50817	0.003204341	
799	104565	Male	40 to 44	Machinery op Partnered	Self Prepared	PHI	56908	5874	51034	0.003206475	
800	51662	Male	45 to 49	Occupation n Single	Tax Agent	No PHI	17720	0	17720	0.003209581	
801	185189	Male	60 to 64	Technicians a Partnered	Tax Agent	PHI	83293	5487	77806	0.003215578	
802	27153	Male	45 to 49	Managers Partnered	Tax Agent	PHI	114921	847	114074	0.003220001	
803	215011	Female	50 to 54	Professionals Single	Self Prepared	PHI	110840	282	110558	0.003202136	
804	202455	Male	55 to 59	Technicians a Partnered	Tax Agent	PHI	471	0	471	0.003228538	
805	137466	Male	30 to 34	Sales worker: Partnered	Tax Agent	PHI	90565	5117	85448	0.003231597	
806	163728	Female	30 to 34	Sales worker: Partnered	Tax Agent	PHI	5980	0	5980	0.003232118	
807	141631	Male	under 20	Sales worker: Single	Self Prepared	PHI	5539	0	5539	0.003240528	
808	121377	Female	30 to 34	Clerical and A Single	Tax Agent	No PHI	54307	585	53722	0.003243599	
809	210968	Male	55 to 59	Clerical and A Single	Tax Agent	PHI	102252	1716	100536	0.003246984	
810	17357	Female	45 to 49	Managers Partnered	Tax Agent	PHI	285734	365	285369	0.003252334	
811	155090	Male	25 to 29	Professionals Partnered	Self Prepared	PHI	14660	611	14049	0.003256222	
812	200639	Male	55 to 59	Occupation n Single	Tax Agent	PHI	58632	22800	35832	0.00325705	
813	234655	Male	20 to 24	Technicians a Single	Tax Agent	No PHI	60143	329	59814	0.003260685	
814	48357	Female	55 to 59	Consultants, e Single	Self Prepared	No PHI	36248	255	35993	0.003262781	
815	109348	Male	30 to 34	Professionals Single	Self Prepared	No PHI	64131	0	64131	0.003263803	
816	203060	Female	55 to 59	Clerical and A Single	Tax Agent	PHI	59633	514	59119	0.003265374	
817	221244	Male	25 to 29	Clerical and A Single	Tax Agent	No PHI	63443	1534	61909	0.003272241	
818	249830	Male	70 and over	Consultants, a Single	Tax Agent	PHI	42830	65	42765	0.003277742	
819	202902	Male	60 to 64	Managers Partnered	Tax Agent	PHI	39960	4218	35742	0.003283101	
820	172876	Female	40 to 44	Community ar Partnered	Tax Agent	No PHI	8187	326	7861	0.003290001	
821	148207	Female	under 20	Occupation n Single	Self Prepared	No PHI	4036	0	4036	0.003295699	
822	76845	Male	35 to 39	Technicians a Partnered	Tax Agent	PHI	68307	418	67889	0.003296778	
823	9369	Male	70 and over	Occupation n Partnered	Tax Agent	PHI	22132	421	21711	0.003299052	
824	152556	Male	30 to 34	Community ar Single	Self Prepared	No PHI	23137	0	23137	0.003300606	
825	138122	Male	30 to 34	Clerical and A Single	Self Prepared	No PHI	76846	261	76585	0.003303105	
826	1602	Female	65 to 69	Professionals Single	Tax Agent	PHI	9683	1849	7834	0.003303647	
827	209803	Male	65 to 69	Technicians a Single	Self Prepared	PHI	160527	319	160208	0.003308009	
828	27204	Female	45 to 49	Occupation n Partnered	Tax Agent	PHI	23022	295	22727	0.003308558	
829	110729	Female	25 to 29	Consultants, a Single	Tax Agent	No PHI	16863	328	16535	0.00331052	
830	215420	Male	65 to 69	Machinery op Partnered	Tax Agent	PHI	40428	395	40033	0.003310703	
831	132946	Female	30 to 34	Occupation n Partnered	Tax Agent	PHI	2150	0	2150	0.003315289	
830	215420	Male	65 to 69	Machinery op Partnered	Tax Agent	PHI	40428	395	40033	0.003310703	
831	132946	Female	30 to 34	Occupation n Partnered	Tax Agent	PHI	2150	0	2150	0.003315289	
832	226939	Male	20 to 24	Professionals Single	Tax Agent	PHI	67587	7329	60258	0.003320325	
833	144461	Female	30 to 34	Professionals Partnered	Tax Agent	PHI	38863	716	38147	0.00333006	
834	122893	Male	30 to 34	Professionals Partnered	Self Prepared	PHI	80305	260	80045	0.003332037	
835	20397	Male	55 to 59	Clerical and A Partnered	Tax Agent	PHI	129510	1021	128489	0.003336571	
836	241203	Female	25 to 29	Professionals Single	Self Prepared	PHI	50741	3250	47491	0.003338882	
837	99493	Male	50 to 54	Labourers Single	Tax Agent	PHI	78487	12055	66432	0.003341931	
838	122213	Female	40 to 44	Labourers Partnered	Tax Agent	PHI	33046	4157	28889	0.003347907	
839	250179	Male	55 to 59	Occupation n Partnered	Tax Agent	PHI	78061	593	77468	0.003348474	
840	169002	Male	45 to 49	Technicians a Single	Tax Agent	PHI	108433	4650	103783	0.003350948	
841	216260	Male	50 to 54	Technicians a Single	Tax Agent	No PHI	62335	3311	59024	0.003352547	
842	60744	Male	35 to 39	Managers Single	Tax Agent	PHI	92635	523	92112	0.003353165	
843	86238	Male	65 to 69	Occupation n Partnered	Tax Agent	PHI	11106	0	11106	0.003360591	
844	23191	Female	45 to 49	Occupation n Partnered	Tax Agent	PHI	241	0	241	0.003362817	
845	201402	Male	70 and over	Occupation n Partnered	Tax Agent	PHI	40169	237	39932	0.003373159	
846	39722	Female	55 to 59	Managers Partnered	Tax Agent	PHI	75679	22825	52854	0.003373682	
847	92911	Female	55 to 59	Clerical and A Partnered	Self Prepared	No PHI	16271	165	16106	0.003377964	
848	256038	Female	20 to 24	Sales workers: Partnered	Tax Agent	No PHI	34056	386	33670	0.003378285	
849	147430	Female	20 to 24	Clerical and A Single	Self Prepared	PHI	29386	111	29275	0.003384714	
850	66606	Female	35 to 39	Sales workers: Single	Tax Agent	No PHI	44417	349	44068	0.003388601	
851	6762	Male	60 to 64	Machinery op Single	Tax Agent	No PHI	31715	1192	30523	0.003388853	
852	202309	Male	70 and over	Occupation n Single	Self Prepared	PHI	40983	9	40974	0.003392833	
853	84479	Male	55 to 59	Machinery op Single	Tax Agent	No PHI	19666	0	19666	0.003399755	
854	177434	Female	30 to 34	Clerical and A Partnered	Tax Agent	No PHI	1714	0	1714	0.003399804	
855	25857	Female	60 to 64	Sales workers: Partnered	Self Prepared	PHI	19932	39	19893	0.003400446	
856	143795	Male	30 to 34	Managers Partnered	Self Prepared	PHI	129072	1375	127697	0.003400977	
857	2933	Female	60 to 64	Labourers Single	Tax Agent	No PHI	42274	831	41443	0.003402261	
858	31112	Female	60 to 64	Occupation n Single	Tax Agent	PHI	3318	236	3082	0.003404446	
859	213656	Male	45 to 49	Managers Partnered	Tax Agent	PHI	43722	4915	38807	0.00340478	
860	90711	Male	65 to 69	Occupation n Partnered	Tax Agent	PHI	31130	0	31130	0.003407319	
861	61207	Female	35 to 39	Clerical and A Partnered	Tax Agent	PHI	11378	0	11378	0.003412361	
862	176470	Male	30 to 34	Community ar Partnered	Self Prepared	No PHI	56229	223	56006	0.003419234	
863	179585	Male	under 20	Sales workers: Single	Tax Agent	PHI	13081	93	12988	0.003420001	
864	115115	Male	25 to 29	Machinery op Single	Tax Agent	No PHI	48724	526	48198	0.00342034	
865	178511	Male	20 to 24	Clerical and A Single	Tax Agent	No PHI	7246	0	7246	0.003423814	
866	27855	Male	45 to 49	Sales workers: Partnered	Tax Agent	PHI	31511	309	31202	0.003428295	
867	5043	Male	55 to 59	Professionals Partnered	Tax Agent	PHI	69753	779	68974	0.003431655	

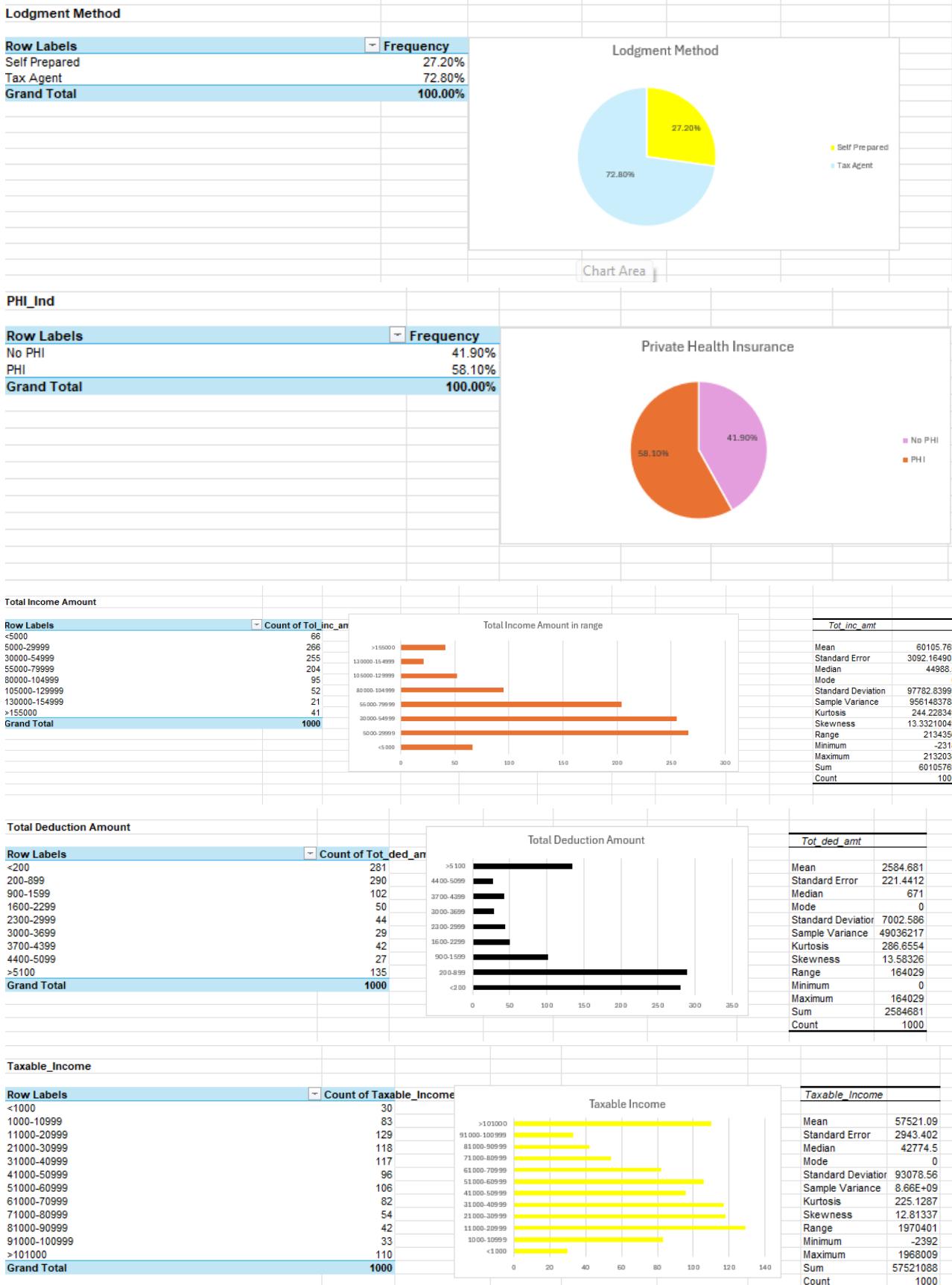
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866	27855	Male	45 to 49	Sales workers	Partnered	Tax Agent	PHI	31511	309	31202	0.003428295
867	5043	Male	55 to 59	Professionals	Partnered	Tax Agent	PHI	69753	779	68974	0.003431655
868	247067	Male	30 to 34	Machinery op.	Single	Tax Agent	No PHI	34986	75	34911	0.003433323
869	142256	Male	20 to 24	Labourers	Single	Tax Agent	No PHI	9213	272	8941	0.003435277
870	256746	Male	under 20	Technicians	a Single	Tax Agent	PHI	37895	1277	36618	0.003440139
871	254481	Female	30 to 34	Occupation nc	Partnered	Self Prepared	No PHI	35	0	35	0.003440351
872	256872	Male	20 to 24	Sales workers	Single	Tax Agent	No PHI	45820	1590	44230	0.003443833
873	218448	Male	60 to 64	Occupation nc	Partnered	Tax Agent	PHI	59725	9412	50313	0.003444636
874	8884	Male	55 to 59	Professionals	Partnered	Tax Agent	PHI	51495	1326	50169	0.003453602
875	136297	Female	30 to 34	Occupation nc	Partnered	Tax Agent	PHI	351	0	351	0.003465866
876	103101	Male	55 to 59	Machinery op.	Single	Tax Agent	No PHI	35678	2759	32919	0.003469338
877	144866	Male	30 to 34	Professionals	Partnered	Tax Agent	PHI	66385	782	65603	0.003471462
878	186502	Male	70 and over	Professionals	Partnered	Self Prepared	PHI	53439	19806	33633	0.003479938
879	183200	Male	55 to 59	Managers	Single	Tax Agent	PHI	96705	2730	93975	0.003483268
880	12063	Male	60 to 64	Labourers	Partnered	Self Prepared	PHI	44500	698	43802	0.003484029
881	143576	Male	30 to 34	Technicians	a Partnered	Tax Agent	No PHI	111285	4819	106466	0.003485856
882	170781	Female	under 20	Consultants,	a Single	Tax Agent	PHI	12297	1376	10921	0.003495095
883	168717	Male	35 to 39	Managers	Single	Tax Agent	No PHI	49502	267	49235	0.003495205
884	17247	Female	65 to 69	Occupation nc	Single	Self Prepared	No PHI	5952	0	5952	0.003497758
885	152524	Male	30 to 34	Machinery op.	Single	Tax Agent	PHI	38624	797	37827	0.003501971
886	67495	Female	65 to 69	Professionals	Partnered	Tax Agent	No PHI	97216	1737	95479	0.003505133
887	24968	Female	60 to 64	Community ar	Single	Tax Agent	No PHI	30230	728	29502	0.003507268
888	35143	Female	40 to 44	Professionals	Partnered	Tax Agent	No PHI	75284	2281	73003	0.003507827
889	100780	Female	45 to 49	Clerical and A	Partnered	Tax Agent	No PHI	59316	497	58819	0.003508351
890	161082	Female	25 to 29	Sales worker:	Single	Self Prepared	PHI	16010	0	16010	0.003527533
891	109006	Male	20 to 24	Sales worker:	Single	Self Prepared	No PHI	38133	114	38019	0.003533663
892	221531	Male	25 to 29	Professionals	Partnered	Self Prepared	No PHI	40724	660	40064	0.003535398
893	24425	Male	45 to 49	Managers	Partnered	Tax Agent	PHI	27309	400	26909	0.003536998
894	226776	Male	20 to 24	Machinery op.	Single	Tax Agent	No PHI	49803	3865	45938	0.003540832
895	82435	Female	55 to 59	Professionals	Single	Self Prepared	PHI	27772	377	27395	0.003541847
896	189926	Female	55 to 59	Labourers	Single	Tax Agent	No PHI	63512	327	63185	0.003543716
897	67173	Female	70 and over	Occupation nc	Single	Tax Agent	PHI	31249	79	31170	0.003544261
898	147440	Male	30 to 34	Labourers	Single	Tax Agent	No PHI	7567	0	7567	0.003544813
899	174461	Male	45 to 49	Technicians	a Partnered	Tax Agent	PHI	62505	470	62035	0.003548008
900	27670	Male	45 to 49	Labourers	Partnered	Self Prepared	No PHI	53801	1811	51990	0.003558268
901	27479	Male	45 to 49	Professionals	Partnered	Self Prepared	PHI	116142	2664	113478	0.003559465
902	94446	Male	50 to 54	Clerical and A	Single	Tax Agent	No PHI	69931	3867	66064	0.003560812
903	112592	Male	30 to 34	Occupation nc	Partnered	Tax Agent	No PHI	30480	138	30342	0.003567935
1	Ind	Gender	age_range	Occ_code	Partner_status	Lodgment_method	PHI_Ind	Tot_inc_amt	Tot_ded_amt	Taxable_Income	Random_number
902	94446	Male	50 to 54	Clerical and A	Single	Tax Agent	No PHI	69931	3867	66064	0.003560812
903	112592	Male	30 to 34	Occupation nc	Partnered	Tax Agent	No PHI	30480	138	30342	0.003567935
904	90210	Male	55 to 59	Managers	Partnered	Tax Agent	PHI	109453	30123	79330	0.003570038
905	89579	Male	60 to 64	Professionals	Partnered	Tax Agent	PHI	122137	28069	94068	0.003571282
906	229941	Male	45 to 49	Technicians	a Partnered	Tax Agent	PHI	13423	318	13105	0.003573646
907	80974	Female	60 to 64	Consultants,	a Partnered	Tax Agent	PHI	90298	2708	87590	0.0035751
908	18599	Male	70 and over	Managers	Partnered	Tax Agent	No PHI	40478	0	40478	0.003577031
909	107893	Male	30 to 34	Managers	Partnered	Self Prepared	No PHI	87928	823	87105	0.003577059
910	243558	Male	20 to 24	Consultants,	a Single	Tax Agent	No PHI	53460	393	53067	0.003579159
911	155113	Female	under 20	Sales worker:	Single	Self Prepared	No PHI	8980	0	8980	0.003586486
912	216591	Male	50 to 54	Occupation nc	Partnered	Tax Agent	PHI	28276	2941	25335	0.003594014
913	11293	Female	50 to 54	Professionals	Single	Tax Agent	No PHI	76218	11889	64329	0.003595848
914	154996	Male	25 to 29	Professionals	Single	Self Prepared	PHI	68201	352	67849	0.003599706
915	164027	Male	under 20	Community ar	Single	Tax Agent	PHI	5685	0	5685	0.003600591
916	228297	Female	20 to 24	Professionals	Single	Self Prepared	No PHI	54831	132	54699	0.003601324
917	49759	Female	40 to 44	Professionals	Single	Tax Agent	PHI	8301	2364	5937	0.003603399
918	211715	Female	55 to 59	Managers	Partnered	Tax Agent	PHI	34505	1187	33318	0.003604614
919	255333	Male	20 to 24	Sales worker:	Single	Self Prepared	PHI	17222	0	17222	0.003606274
920	87171	Male	70 and over	Consultants,	a Single	Tax Agent	PHI	65275	33251	32024	0.003614139
921	59798	Female	60 to 64	Labourers	Single	Tax Agent	No PHI	18668	327	18341	0.003620591
922	94127	Female	65 to 69	Clerical and A	Partnered	Tax Agent	PHI	32344	1806	30538	0.003624257
923	24601	Male	45 to 49	Managers	Partnered	Tax Agent	PHI	93118	4631	88487	0.003632417
924	117957	Female	under 20	Community ar	Single	Tax Agent	No PHI	3776	0	3776	0.003635002
925	11212	Male	55 to 59	Occupation nc	Single	Self Prepared	No PHI	0	0	0	0.003637361
926	86931	Female	70 and over	Occupation nc	Single	Tax Agent	PHI	96102	33801	62301	0.003639042
927	31934	Male	40 to 44	Occupation nc	Partnered	Tax Agent	PHI	446036	9918	436118	0.003639407
928	239412	Male	35 to 39	Occupation nc	Partnered	Tax Agent	PHI	10449	0	10449	0.003652576
929	108552	Female	25 to 29	Professionals	Partnered	Tax Agent	PHI	52636	4298	48338	0.003661173
930	4664	Female	60 to 64	Professionals	Partnered	Tax Agent	PHI	74095	25009	49086	0.003661671
931	213001	Male	50 to 54	Occupation nc	Partnered	Tax Agent	PHI	40286	5702	34584	0.003661702
932	51218	Female	40 to 44	Clerical and A	Partnered	Tax Agent	PHI	5579	0	5579	0.003666083
933	51113	Male	40 to 44	Professionals	Partnered	Tax Agent	PHI	85625	4618	81007	0.003668246
934	51949	Male	40 to 44	Community ar	Partnered	Tax Agent	PHI	37925	581	37344	0.003671259
935	38409	Female	40 to 44	Sales workers	Partnered	Tax Agent	PHI	62574	813	61761	0.003671844
936	45486	Male	40 to 44	Consultants,	a Single	Tax Agent	No PHI	64409	959	63450	0.003675174
937	44528	Female	40 to 44	Professionals	Partnered	Tax Agent	PHI	39987	5081	34906	0.003677403
938	215080	Female	50 to 54	Clerical and A	Partnered	Self Prepared	PHI	46674	3154	43520	0.003682147
939	56819	Female	50 to 54	Managers	Single	Tax Agent	No PHI	59494	3554	55940	0.003682989

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938	215080	Female	50 to 54	Clerical and A Partnered	Self Prepared	PHI	46674	3154	43520	0.003682147	
939	56819	Female	50 to 54	Managers Single	Tax Agent	No PHI	59494	3554	55940	0.003682989	
940	217993	Male	70 and over	Professionals Partnered	Tax Agent	PHI	91513	8381	83132	0.003688456	
941	142965	Male	30 to 34	Professionals Partnered	Self Prepared	PHI	94859	6074	88785	0.003688571	
942	105566	Female	30 to 34	Occupation nc Partnered	Tax Agent	PHI	164531	47	164484	0.003690434	
943	240405	Female	20 to 24	Managers Single	Tax Agent	PHI	47122	4213	42909	0.003691668	
944	132552	Female	20 to 24	Consultants, e Single	Self Prepared	No PHI	529	0	529	0.003696493	
945	11741	Female	50 to 54	Sales workers: Partnered	Tax Agent	PHI	30173	717	29456	0.003705924	
946	98659	Male	50 to 54	Machinery op: Single	Tax Agent	No PHI	26218	319	25899	0.003711085	
947	16757	Female	50 to 54	Professionals Partnered	Tax Agent	PHI	77671	2764	74907	0.003711973	
948	190515	Male	55 to 59	Machinery op: Partnered	Tax Agent	PHI	69500	1301	68199	0.003712521	
949	122271	Female	45 to 49	Labourers Partnered	Tax Agent	No PHI	37337	439	36898	0.00372309	
950	186499	Male	70 and over	Occupation nc Single	Tax Agent	No PHI	26393	91	26302	0.003725337	
951	249425	Male	20 to 24	Consultants, e Single	Tax Agent	No PHI	32989	403	32586	0.003726764	
952	71145	Male	35 to 39	Machinery op: Partnered	Self Prepared	PHI	99981	541	99440	0.003730962	
953	109344	Female	25 to 29	Professionals Partnered	Tax Agent	No PHI	69052	4577	64475	0.003748845	
954	218696	Male	50 to 54	Occupation nc Partnered	Tax Agent	PHI	19814	826	18988	0.003749472	
955	96648	Male	45 to 49	Technicians a Partnered	Tax Agent	No PHI	56422	1943	54479	0.003752286	
956	30046	Male	45 to 49	Technicians a Partnered	Tax Agent	PHI	52808	1186	51622	0.00375234	
957	9127	Male	60 to 64	Occupation nc Partnered	Tax Agent	No PHI	13052	150	12902	0.003754048	
958	10482	Male	55 to 59	Occupation nc: Partnered	Tax Agent	PHI	88712	5360	83352	0.003754059	
959	179688	Male	under 20	Labourers Single	Tax Agent	No PHI	6014	107	5907	0.003754537	
960	36574	Male	40 to 44	Occupation nc Single	Self Prepared	No PHI	18700	0	18700	0.003755618	
961	161571	Male	30 to 34	Machinery op: Partnered	Tax Agent	PHI	136488	4009	132479	0.003758447	
962	130822	Female	25 to 29	Professionals Single	Self Prepared	PHI	75670	1093	74577	0.003759547	
963	71745	Female	60 to 64	Occupation nc: Partnered	Tax Agent	No PHI	4213	432	3781	0.003760584	
964	85276	Female	45 to 49	Labourers Single	Tax Agent	No PHI	23869	492	23377	0.003765009	
965	122929	Male	35 to 39	Technicians a Partnered	Self Prepared	PHI	83355	1088	82267	0.003766593	
966	165207	Female	30 to 34	Clerical and A Partnered	Tax Agent	No PHI	4437	0	4437	0.003793765	
967	144199	Female	20 to 24	Professionals Single	Self Prepared	PHI	15301	1584	13717	0.003799762	
968	25755	Female	55 to 59	Managers Partnered	Self Prepared	PHI	239564	1257	238307	0.003803351	
969	119958	Female	35 to 39	Clerical and A Partnered	Tax Agent	PHI	79049	1202	77847	0.00380793	
970	135254	Male	35 to 39	Sales workers: Single	Tax Agent	PHI	83658	14479	69179	0.003809201	
971	17931	Female	45 to 49	Occupation nc Single	Tax Agent	No PHI	15807	0	15807	0.00381365	
972	26943	Male	50 to 54	Technicians a Partnered	Tax Agent	PHI	20305	273	20032	0.00381748	
973	34652	Female	70 and over	Occupation nc Single	Tax Agent	PHI	41210	0	41210	0.003817586	
974	104984	Male	30 to 34	Professionals Single	Tax Agent	No PHI	18828	0	18828	0.00382231	
975	59794	Male	40 to 44	Occupation nc Partnered	Tax Agent	No PHI	23896	429	23467	0.003824018	
974	104984	Male	30 to 34	Professionals Single	Tax Agent	No PHI	18828	0	18828	0.00382231	
975	59794	Male	40 to 44	Occupation nc Partnered	Tax Agent	No PHI	23896	429	23467	0.003824018	
976	216280	Male	50 to 54	Occupation nc Partnered	Tax Agent	No PHI	28216	0	28216	0.003825627	
977	250303	Female	25 to 29	Occupation nc Single	Self Prepared	No PHI	41912	0	41912	0.00382828	
978	254415	Female	20 to 24	Community ar Single	Tax Agent	PHI	25171	1150	24021	0.003829643	
979	79996	Male	55 to 59	Labourers Partnered	Tax Agent	No PHI	25401	746	24655	0.003829687	
980	91170	Female	70 and over	Consultants, e Partnered	Tax Agent	PHI	186286	41	186245	0.003846445	
981	109373	Female	under 20	Consultants, e Single	Tax Agent	No PHI	21138	1357	19781	0.00385061	
982	76528	Female	45 to 49	Community ar Partnered	Tax Agent	No PHI	23165	3948	19217	0.003851237	
983	36573	Female	45 to 49	Professionals Partnered	Tax Agent	No PHI	19323	102	19221	0.003856333	
984	241098	Male	20 to 24	Consultants, e Single	Tax Agent	PHI	26808	2976	23832	0.00386449	
985	72423	Female	35 to 39	Occupation nc Single	Tax Agent	PHI	183984	6922	177062	0.003873226	
986	187985	Male	65 to 69	Occupation nc Partnered	Tax Agent	PHI	2452	0	2452	0.003874435	
987	111465	Female	30 to 34	Professionals Partnered	Self Prepared	No PHI	5415	0	5415	0.00387605	
988	21965	Female	45 to 49	Professionals Partnered	Self Prepared	PHI	76748	7059	69689	0.003885092	
989	221607	Male	25 to 29	Community ar Single	Tax Agent	PHI	55313	905	54408	0.003893708	
990	123871	Female	25 to 29	Community ar Single	Tax Agent	No PHI	42316	5183	37133	0.003896113	
991	142492	Female	35 to 39	Clerical and A Partnered	Self Prepared	No PHI	57927	61	57866	0.003900839	
992	89568	Male	50 to 54	Labourers Single	Tax Agent	No PHI	15847	112	15735	0.003904359	
993	220335	Male	25 to 29	Sales workers Single	Self Prepared	No PHI	42531	60	42471	0.0039074	
994	105254	Female	30 to 34	Clerical and A Single	Tax Agent	No PHI	50499	1724	48775	0.003909809	
995	181503	Female	70 and over	Occupation nc Partnered	Tax Agent	No PHI	14400	0	14400	0.003910149	
996	230433	Male	30 to 34	Technicians a Partnered	Tax Agent	PHI	74183	3120	71063	0.003926271	
997	151484	Female	30 to 34	Clerical and A Partnered	Tax Agent	PHI	67793	1442	66351	0.003930401	
998	226477	Female	25 to 29	Professionals Partnered	Self Prepared	PHI	41793	1298	40495	0.003933301	
999	209029	Female	60 to 64	Occupation nc Partnered	Tax Agent	PHI	85699	77	85622	0.003937392	
1000	127596	Male	40 to 44	Professionals Partnered	Tax Agent	PHI	68787	2138	66649	0.003941333	
1001	9939	Female	70 and over	Occupation nc Single	Tax Agent	PHI	22685	0	22685	0.003945988	

Appendix 2: Excel Output

Task 2: Descriptive Statistic:





Task 4: Confidence Intervals

<u>Taxable Income</u>		
Mean	63615.17722	
Standard Error	5379.991969	
Median	59024	
Mode	#N/A	
Standard Deviation	47818.41459	
Sample Variance	2286600774	
Kurtosis	11.43960697	
Skewness	2.575501636	
Range	329142	
Minimum	471	
Maximum	329613	
Sum	5025599	
Count	79	
Confidence Level(95.0%)	10710.74124	Margin of error
Upper	\$74,325.92	
Lower	\$52,904.44	
Row Labels	Average of Taxable Income	
Technicians and Trades Workers	63384.04657	
<u>Tot ded amt</u>		
Mean	2584.681	
Standard Error	221.4412259	
Median	671	
Mode	0	
Standard Deviation	7002.586417	
Sample Variance	49036216.53	
Kurtosis	286.6554043	
Skewness	13.58326058	
Range	164029	
Minimum	0	
Maximum	164029	
Sum	2584681	
Count	1000	
Confidence Level(95.0%)	434.5432988	
Upper	3019.224299	
Lower	2150.137701	
Average of Tot ded amt		
	2594.14549	

Task 5: Hypothesis testing

H0: mean agent - mean self ≤ 0

HA: mean agent - mean self > 0

t-Test: Two-Sample Assuming Equal Variances

	Tot_ded_amt agent	Tot_ded_amt self
Mean	3095.050824	1218.691176
Variance	64327596.32	5623091.498
Observations	728	272
Pooled Variance	48386793.91	
Hypothesized Mean Difference	0	
df	998	
t Stat	3.795795467	
P(T<=t) one-tail	7.80197E-05	
t Critical one-tail	1.646381877	
P(T<=t) two-tail	0.000156039	
t Critical two-tail	1.962343846	

t stat > t critical so Reject H0

p value < 0.05 then Reject H0

H0: mean female - mean male = 0

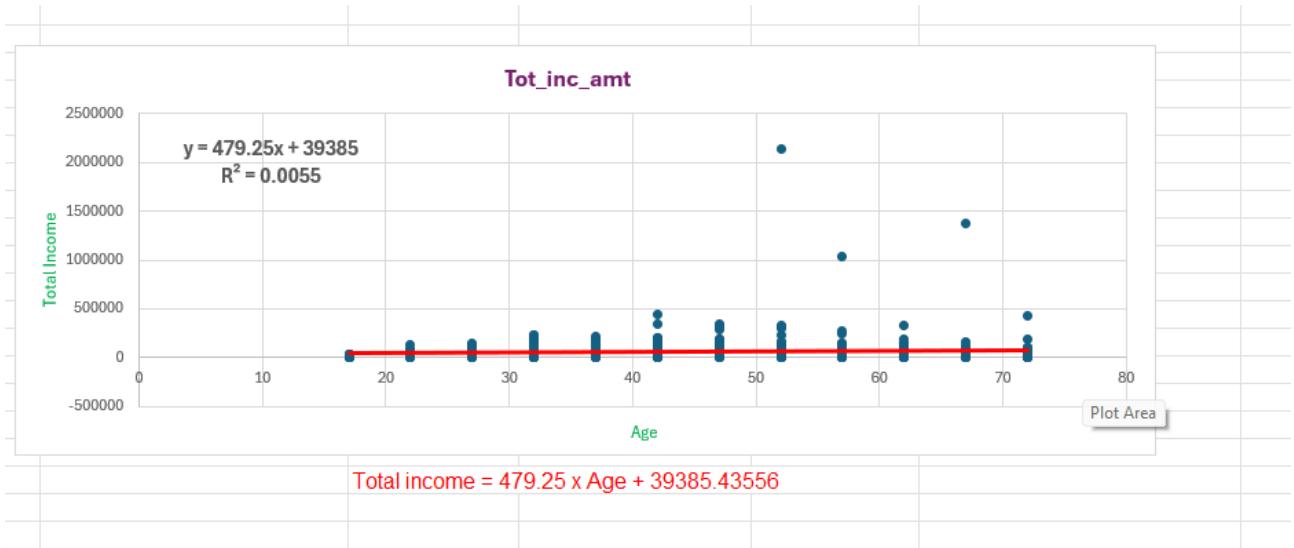
HA: mean female - mean male <> 0

t-Test: Two-Sample Assuming Equal Variances

	Taxable Income female	Taxable Income male
Mean	41880.22777	70898.52134
Variance	1338506785	14553915247
Observations	461	539
Pooled Variance	8462644813	
Hypothesized Mean Difference	0	
df	998	
t Stat	-4.972372531	
P(T<=t) one-tail	3.89119E-07	
t Critical one-tail	1.646381877	
P(T<=t) two-tail	0.000000778	
t Critical two-tail	±1.96234384621634	

Reject H0 there is a difference between the means for the genders

Task 6: Correlation and Regression



SUMMARY OUTPUT						
Regression Statistics						
Multiple R	0.074358801 Correlation					
R Square	0.005529231 Coefficient of determination					
Adjusted R Square	0.004532768					
Standard Error	97560.97478					
Observations	1000					
ANOVA						
	df	SS	MS	F	Significance F	
Regression	1	52814788182	52814788182	5.548853777	0.018685472	
Residual	998	9.49911E+12	9.518143801			
Total	999	9.55192E+12				
	Coefficients	Standard Error	t Stat	P-value	Lower 95%	Upper 95%
Intercept	39385.43556	9321.549217	4.225202769	2.60579E-05	21093.35082	57677.52
Age	479.2500000	203.4509099	2.355600513	0.018685472	80.00842669	878.4897
Total income = $479.25 \times \text{Age} + 39385.43556$						
Intercept (α): 39385.44, representing the expected total income when the age is zero. Slope (β): 479.25, indicating that for every one-year increase in age, total income is expected to increase by \$479.25, holding other factors constant						
H0B1 = 0 => No relationship						
HAB1 <> 0 => relationship						
t-stat	2.355600513					
t-critical	1.962343846					
t-stat > t-critical						
Reject H0 thus there is a linear relationship between age and total income						

Appendix 3: Python Output:

Task 2: Descriptive Statistic

```
#import nessary libraries
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns
✓ 5.7s

# read the data from the excel file
data = pd.read_excel('SampleDataAssignment.xlsx', 'Sample')
✓ 0.2s
```

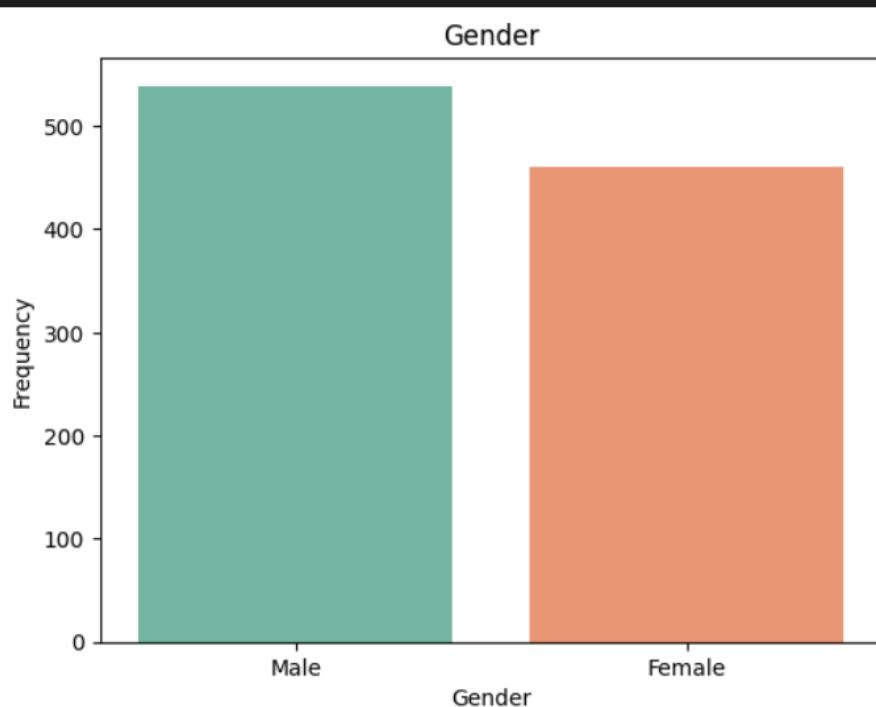
```
# Create a pivot table for gender with frequency count
gender_counts = data['Gender'].value_counts()
gender_table = gender_counts.reset_index()
gender_table.columns = ['Gender', 'Frequency']

# Print the table without the index
print(gender_table.to_string(index=False))
print('Grand Total ', gender_table['Frequency'].sum())

# create a bar chart for this gender (Gender vs Frequency )
sns.barplot(x='Gender', y='Frequency', data=gender_table, palette=sns.color_palette("Set2", len(gender_table)), hue='Gender', dodge=False, legend=False).set(title='Gender')
```

```
Gender  Frequency
Male      539
Female    461
Grand Total 1000
```

```
[Text(0.5, 1.0, 'Gender')]
```



```

# create a table like pivot table in excel for column Age Range with frequency count and bar chart for this table
age_range_counts = data['age_range'].value_counts()
age_range_table = age_range_counts.reset_index()
age_range_table.columns = ['Age Range', 'Frequency']

# Rearrange the sequence of the age_range
age_range_order = ['under 20', '20 to 24', '25 to 29', '30 to 34', '35 to 39', '40 to 44', '45 to 49', '50 to 54', '55 to 59', '60 to 64', '65 to 69', '70 and over']
age_range_table['Age Range'] = pd.Categorical(age_range_table['Age Range'], categories=age_range_order, ordered=True)
age_range_table = age_range_table.sort_values('Age Range').reset_index(drop=True)

# Print the table without the index
print(age_range_table.to_string(index=False))

# Print the grand total
print("Grand Total      ", age_range_table['Frequency'].sum())

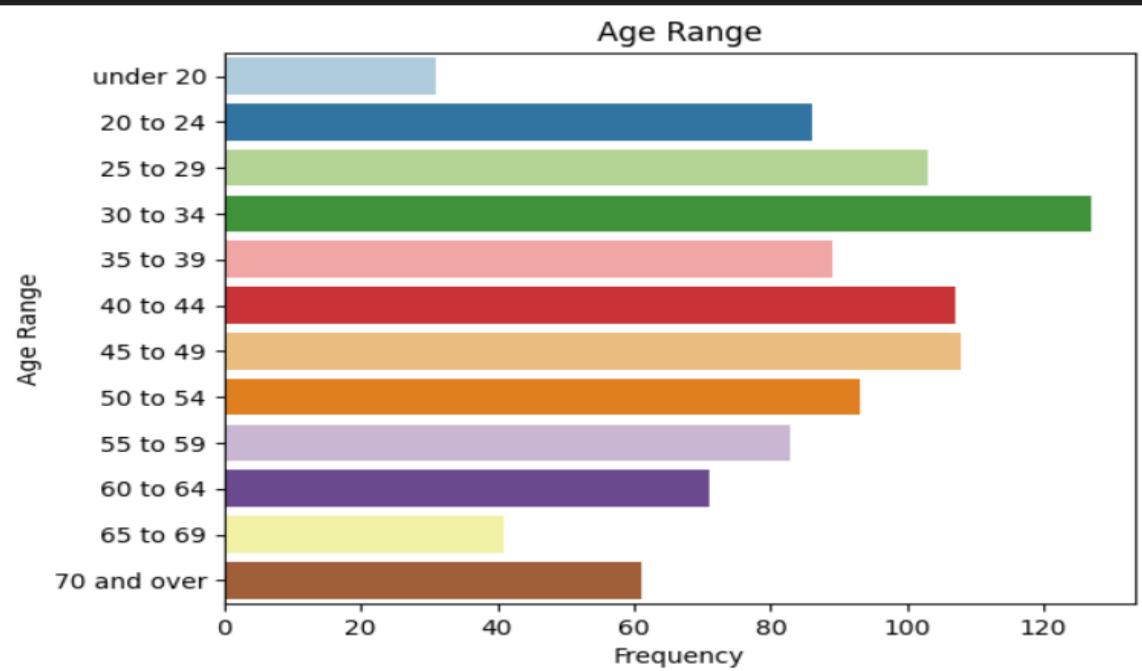
# create a bar chart for this age range (Age Range vs Frequency) with different colors for each age range
palette = sns.color_palette("Paired", len(age_range_table))
sns.barplot(y='Age Range', x='Frequency', data=age_range_table, palette=palette, hue='Age Range', dodge=False).set(title='Age Range')

```

Age Range	Frequency
under 20	31
20 to 24	86
25 to 29	103
30 to 34	127
35 to 39	89
40 to 44	107
45 to 49	108
50 to 54	93
55 to 59	83
60 to 64	71
65 to 69	41
70 and over	61
Grand Total	1000

[Text(0.5, 1.0, 'Age Range')]

... [Text(0.5, 1.0, 'Age Range')]



```

# create a table like pivot table in excel for column Occ_code with frequency count in percentage and bar chart for this table
occ_code_counts = data['Occ_code'].value_counts()
occ_code_table = occ_code_counts.reset_index()
occ_code_table.columns = ['Occ_code', 'Frequency']

# Print the table without the index
print(occ_code_table.to_string(index=False))

# Print the grand total
print('Grand Total      ', occ_code_table['Frequency'].sum())

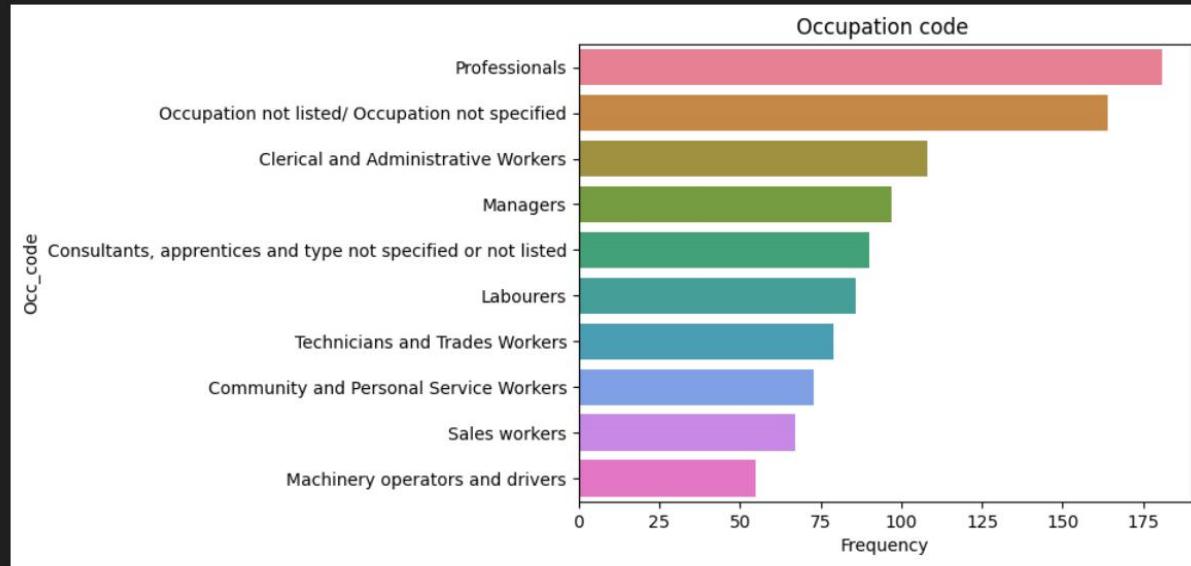
# create a bar chart for this occ_code (Occ_code vs Frequency) with different colors for each occ_code
palette = sns.color_palette("husl", len(occ_code_table))
sns.barplot(y='Occ_code', x='Frequency', data=occ_code_table, palette=palette, hue='Occ_code', dodge=False, legend=False).set(title='Occupation code ')

```

	Occ_code	Frequency
	Professionals	181
Occupation not listed/ Occupation not specified		164
	Clerical and Administrative Workers	108
	Managers	97
Consultants, apprentices and type not specified or not listed		90
	Labourers	86
	Technicians and Trades Workers	79
	Community and Personal Service Workers	73
	Sales workers	67
	Machinery operators and drivers	55
	Grand Total	1000

[Text(0.5, 1.0, 'Occupation code ')]

[Text(0.5, 1.0, 'Occupation code ')]



```

# create a table like pivot table in excel for column Partner_Status with frequency count in percentage and pie chart for this table
partner_status_counts = data['Partner_Status'].value_counts(normalize=True) * 100
partner_status_table = partner_status_counts.reset_index()
partner_status_table.columns = ['Partner Status', 'Frequency (%)']

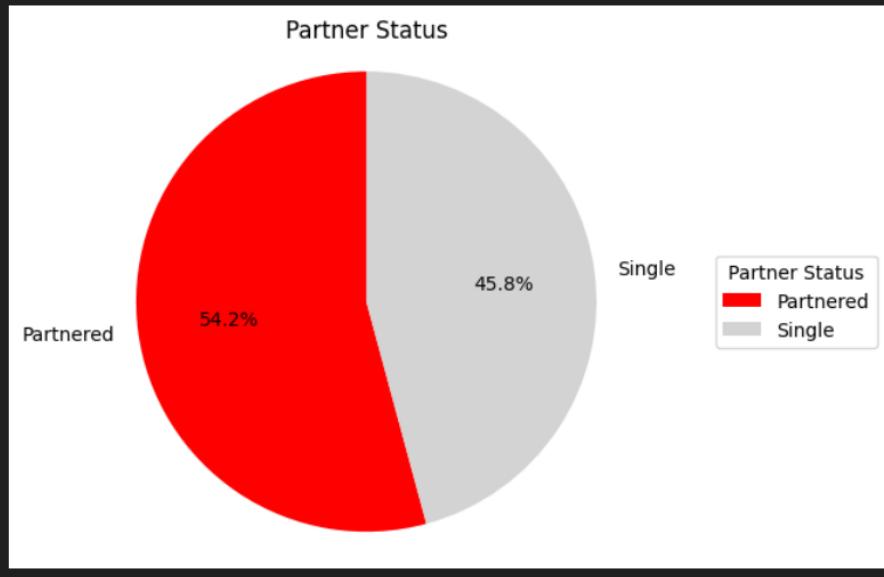
# Print the table without the index
print(partner_status_table.to_string(index=False))

#print the grand total
print('Grand Total', round(partner_status_table['Frequency (%)'].sum()))

# create a pie chart for this partner status (Partner Status vs Frequency in percentage)
plt.pie(partner_status_table['Frequency (%)'], labels=partner_status_table['Partner Status'], autopct='%1.1f%%', colors=['red', 'lightgrey'], startangle=90)
plt.title('Partner Status')
plt.legend(title='Partner Status', loc='center left', bbox_to_anchor=(1, 0.5)) # Move the legend to the left of the pie chart.
plt.axis('equal') # Equal aspect ratio ensures that pie is drawn as a circle.
plt.show()

```

Partner Status	Frequency (%)
Partnered	54.2
Single	45.8
Grand Total	100



```

# create a table like pivot table in excel for column lodgment_method with frequency count in percentage and bar chart for this table
lodgment_method_count = data['Lodgment Method'].value_counts(normalize=True) * 100
lodgment_method_table = lodgment_method_count.reset_index()
lodgment_method_table.columns = ['Lodgment Method', 'Frequency (%)']

# Print the table without the index
print(lodgment_method_table.to_string(index=False))

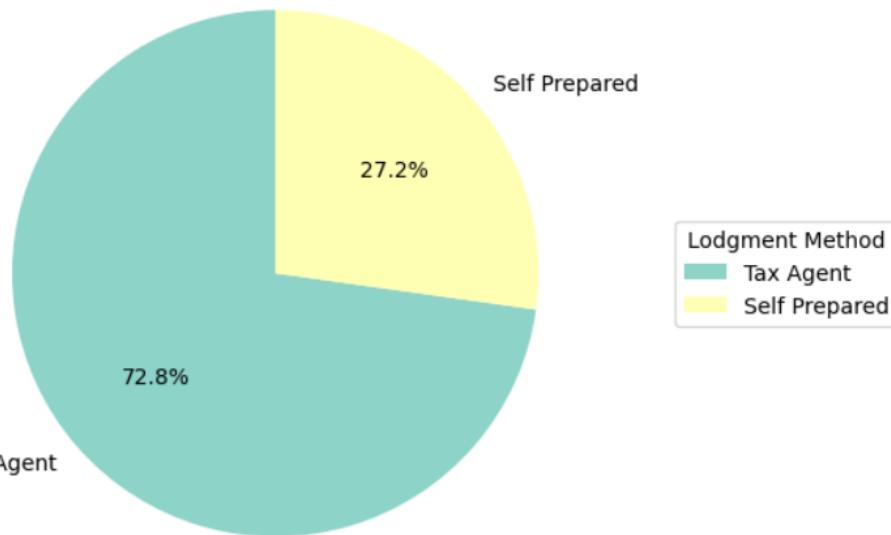
# Print the grand total
print('Grand Total', round(lodgment_method_table['Frequency (%)'].sum()))

# create a pie chart for this lodgment method (Lodgment Method vs Frequency in percentage)
colors = sns.color_palette("Set3", len(lodgment_method_table))
plt.pie(lodgment_method_table['Frequency (%)'], labels=lodgment_method_table['Lodgment Method'], autopct='%1.1f%%', colors=colors, startangle=90)
plt.title('Lodgment Method with Frequency in Percentage')
plt.legend(title='Lodgment Method', loc='center left', bbox_to_anchor=(1, 0.5)) # Move the legend to the left of the pie chart.
plt.axis('equal') # Equal aspect ratio ensures that pie is drawn as a circle.
plt.show()

```

Lodgment Method	Frequency (%)
Tax Agent	72.8
Self Prepared	27.2
Grand Total	100

Lodgment Method with Frequency in Percentage



Task 4: Confidence Intervals

Task 4: Confidence Intervals

```
#task 4 a
import pandas as pd
import numpy as np
import scipy.stats as st

df = pd.read_excel('SampleDataAssignment.xlsx', 'Sample')
#filtering data (only Technicians and Trades Workers)
octt = df[df['Occ_code']=="Technicians and Trades Workers"]
n = octt[['Taxable_Income']].count()
degf = n-1
mean = octt[['Taxable_Income']].mean()
stdev = octt[['Taxable_Income']].std()
stderr = stdev/(n**0.5)
cioctt = st.t.interval(0.95,degf,mean,stderr)
print(cioctt)
print('Upper bound is ', np.round(cioctt[1],4))
print('Lower bound is ', np.round(cioctt[0],4))
#population mean
dfp = pd.read_excel('Major Assignment data Taxation Sem 2 2024.xlsx', 'data')
octtp = dfp[dfp['Occ_code']=="Technicians and Trades Workers"]
print(octtp.shape)
meanp = octtp[['Taxable_Income']].mean()
print('The True mean is ', meanp)

(array([52904.43597301]), array([74325.91845737]))
Upper bound is [74325.9185]
Lower bound is [52904.436]
(23557, 14)
The True mean is Taxable_Income    63384.046568
dtype: float64
```

```
#task 4 b
import pandas as pd
import scipy.stats as st
import numpy as np
df = pd.read_excel('SampleDataAssignment.xlsx','Sample')
n=df[['Tot_ded_amt']].count()
degf=n-1
mean=df[['Tot_ded_amt']].mean()
stdev=df[['Tot_ded_amt']].std()
stderr = stdev/(n**0.5)
citad=st.t.interval(0.95,degf,mean,stderr)
print(citad)
print('Upper bound is ', np.round(citad[1],4))
print('Lower bound is ', np.round(citad[0],4))
dfp=pd.read_excel('Major Assignment data Taxation Sem 2 2024.xlsx', 'data')
meanp=dfp[['Tot_ded_amt']].mean()
print('The True mean is ', meanp)

(array([2150.13770122]), array([3019.22429878]))
Upper bound is [3019.2243]
Lower bound is [2150.1377]
The True mean is Tot_ded_amt    2594.14549
dtype: float64
```

Task 5: Hypothesis Testing

Task 5: Hypothesis Testing

```
#task 5 a
import pandas as pd
import scipy.stats as st

df = pd.read_excel('SampleDataAssignment.xlsx', 'Sample')
#filtering data (one for tax agent and one for self prepared)
taxa=df[df['Lodgment_method']=="Tax Agent"]
sp=df[df['Lodgment_method']=="Self Prepared"]
ttest= st.ttest_ind(taxa['Tot_ded_amt'],sp['Tot_ded_amt'], equal_var=True, alternative='greater')
print(ttest)
print('The t stat is ', round(ttest.statistic,4))
print('The p value is ', round(ttest.pvalue,4))
# Make the conclusion based on the p-value
alpha = 0.05
if ttest.pvalue <= alpha:
    print("Reject the Ho and thus average Agent deductions is greater than average Self Prepared deductions")
else:
    print('Based upon this sample, (and at 0.05 significance level) we cannot reject Ho, there is no evidence to suggest that Agent deductions is greater than Self Prepared deductions')
```

```
TtestResult(statistic=np.float64(3.795795467067385), pvalue=np.float64(7.80197253238846e-05), df=np.float64(998.0))
The t stat is  3.7958
The p value is  0.0001
Reject the Ho and thus average Agent deductions is greater than average Self Prepared deductions
```

```
#task 5 b
import pandas as pd
import scipy.stats as st

df = pd.read_excel('SampleDataAssignment.xlsx', 'Sample')

female=df[df['Gender']=="Female"]
male=df[df['Gender']=="Male"]
ttest= st.ttest_ind(female['Taxable_Income'],male['Taxable_Income'], equal_var=True, alternative='two-sided')
print(ttest)
print('The t stat is ', round(ttest.statistic,4))
print('The p value is ', round(ttest.pvalue,4))

alpha = 0.05
if ttest.pvalue <= alpha:
    print("Reject the Ho and thus average female Taxable Income is not the same as the average male taxable income")
else:
    print('Based upon this sample, (and at 0.05 significance level) we cannot reject Ho, there is no evidence to suggest that average female Taxable Income is not the same as the average male taxable income')
```

```
TtestResult(statistic=np.float64(-4.972372530910963), pvalue=np.float64(7.782371496576857e-07), df=np.float64(998.0))
The t stat is -4.9724
The p value is  0.0
Reject the Ho and thus average female Taxable Income is not the same as the average male taxable income
```

Task 6: Correlation and Regression

Task 6: Correlation and regression

```
#Task 6
import pandas as pd
import matplotlib.pyplot as plt
import statsmodels.formula.api as sms
import scipy.stats as st

df = pd.read_excel('SampleDataAssignment.xlsx', 'Task6')
print('The correlation matrix is')
print(df[['Age', 'Tot_inc_amt']].corr())

#regression output
print(sms.ols('Tot_inc_amt ~ Age', df).fit().summary())

#scatter diagram
plt.title('Age vs Total Income Amount', fontsize = 20, color='red')
plt.xlabel('Age', fontsize = 15, color='blue')
plt.ylabel('Total Income Amount', fontsize = 15, color='g')
plt.plot('Age', 'Tot_inc_amt', data = df, linestyle = 'none', marker = 'o')

model = st.linregress(df['Age'], df['Tot_inc_amt'])
print(model)

#y=mx+c
m=model[0]
c= model[1]
x=df['Age']
plt.plot(x, m*x+c, 'r')
plt.show()
```

```

The correlation matrix is
      Age Tot_inc_amt
Age    1.000000   0.074359
Tot_inc_amt  0.074359   1.000000

OLS Regression Results
=====
Dep. Variable: Tot_inc_amt R-squared:      0.006
Model: OLS Adj. R-squared:     0.005
Method: Least Squares F-statistic:    5.549
Date: Fri, 18 Oct 2024 Prob (F-statistic): 0.0187
Time: 00:22:01 Log-Likelihood: -12906.
No. Observations: 1000 AIC:           2.582e+04
Df Residuals: 998 BIC:           2.583e+04
Df Model: 1
Covariance Type: nonrobust
=====
            coef  std err      t  P>|t|      [0.025  0.975]
-----
Intercept  3.939e+04  9321.549   4.225  0.000  2.11e+04  5.77e+04
Age        479.2491  203.451   2.356  0.019  80.008  878.490
=====
Omnibus: 1876.942 Durbin-Watson: 2.005
Prob(Omnibus): 0.000 Jarque-Bera (JB): 2482366.730
Skew: 13.265 Prob(JB): 0.00
Kurtosis: 245.637 Cond. No. 138.
...
Notes:
[1] Standard Errors assume that the covariance matrix of the errors is correctly specified.

LinregressResult(slope=np.float64(479.249067693152), intercept=np.float64(39385.43555828657), rvalue=np.float64(0.07435880138676589), pvalue=np.float64(0.01868547165546138), stderr=np.float64(2.5820000000000002))

Output is truncated. View as a scrollable element or open in a text editor. Adjust cell output settings.

```

