

Homework #1 By Avanth Pakanati

1. Table With Count of Plans Under Each Plan Type

Plan Type	Count
Medicare Prescription Drug Plan	991457
Local PPO	704993
HMO/HMOPOS	479275
Employer/Union Only Direct Contract PDP	25630
Regional PPO	17578
PFFS	13658
1876 Cost	7157
MSA	6518
Medicare-Medicaid Plan HMO/HMOPOS	4130
National PACE	1216
HCPP - 1833 Cost	0
Pilot	0

2. Updated Table Removing SNP, EGHP, and 800-Series Plans

Plan Type	Count
Medicare Prescription Drug Plan	269153
HMO/HMOPOS	36588
Local PPO	16728
Regional PPO	8531
1876 Cost	6329
PFFS	4232
Medicare-Medicaid Plan HMO/HMOPOS	4130
National PACE	1216
MSA	232

3. Provide a Table of the Average enrollments for each plan type in 2015

Plan Type	count	mean
Medicare Prescription Drug Plan	60236	311.750481
HMO/HMOPOS	9115	848.737795
Local PPO	6126	310.741267
Regional PPO	4853	201.502988
PFFS	2052	124.583821

1876 Cost	2019	228.126300
Medicare-Medicaid Plan HMO/HMOPOS	522	623.963602
National PACE	213	139.976526
MSA	111	107.792793

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/var/folders/2q/wzjp_2kd355b8clhzqwmytb40000gn/T/ipykernel_19497/1246980438.py:3: SettingWithCopyWarning:
A value is trying to be set on a copy of a slice from a DataFrame.
Try using .loc[row_indexer,col_indexer] = value instead

```

See the caveats in the documentation: [https://pandas.pydata.org/pandas-docs/stable/user\\_guide/10min.html#setting-with-copy](https://pandas.pydata.org/pandas-docs/stable/user_guide/10min.html#setting-with-copy)

```

final_plan_data['Enrollment'] = pd.to_numeric(final_plan_data['Enrollment'], errors='coerce')

```