

Homework 1-2 Submission

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1 Introduction

This document presents my analysis and answers for Homework 1-2 in Research Methods. I follow the analysis structure outlined in class and use Python to process the data.

2 Question 1: Count of Plans by Type

The total number of plans under each plan type for 2015 is shown in Table 1.

Table 1: All Plan Types in 2015

Plan Type	Count
Medicare Prescription Drug Plan	991,457
Local PPO	704,993
HMO/HMOPOS	479,275
Employer/Union Only Direct Contract PDP	25,630
Regional PPO	17,578
PFFS	13,658
1876 Cost	7,157
MSA	6,518
Medicare-Medicaid Plan HMO/HMOPOS	4,130
National PACE	1,216
HCPP - 1833 Cost	9
Pilot	2

3 Question 2: Plan Counts After Exclusions

After excluding Special Needs Plans (SNPs), employer group plans (EGHP), and 800-series plans, the updated plan counts are presented in Table 2.

Table 2: Revised Plan Types in 2015

Plan Type	Count
Medicare Prescription Drug Plan	269,153
HMO/HMOPOS	36,588
Local PPO	16,728
Regional PPO	8,531
1876 Cost	6,329
PFFS	4,232
Medicare-Medicaid Plan HMO/HMOPOS	4,130
National PACE	1,216
MSA	232

4 Question 3: Average Enrollments per Plan Type

The average enrollments for each plan type in 2015 are displayed in Table 3.

Table 3: Enrollments by Plan Type in 2015

Plan Type	Count	Avg Enrollment
Medicare Prescription Drug Plan	269,153	312
HMO/HMOPOS	36,588	849
Local PPO	16,728	311
Regional PPO	8,531	202
1876 Cost	6,329	228
PFFS	4,232	125
Medicare-Medicaid Plan HMO/HMOPOS	4,130	624
National PACE	1,216	140
MSA	232	108