

Homework 1 - Research in Health Economics

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2023-01-22

Question 1

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## [1] "There are 51963 observations in my current dataset"
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Question 2

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## [1] "There are 26 unique plan types in the dataset"
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Question 3

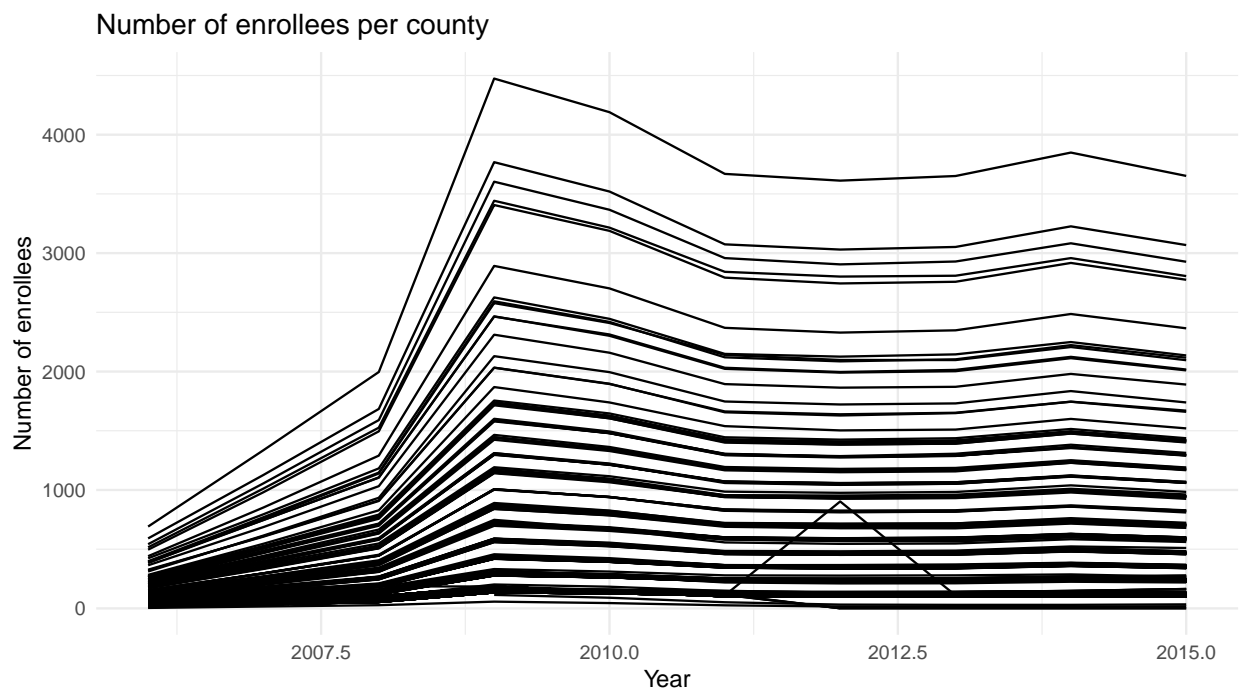
plan_type	2007	2008	2009	2010	2011	2012	2013	2014	2015
1876 Cost	153	150	156	151	149	126	122	112	111
Continuing Care Retirement Community	29	36	36	36	NA	NA	NA	NA	NA
Employer Direct PFFS	1	NA	NA	NA	NA	NA	NA	NA	NA
Employer/Union Only Direct Contract PDP	10	9	8	9	9	9	8	8	8
Employer/Union Only Direct Contract PFFS	NA	2	2	2	2	2	NA	NA	NA
ESRD I	5	9	9	8	NA	NA	NA	NA	NA
ESRD II	4	3	1	1	NA	NA	NA	NA	NA
HCPP - 1833 Cost	13	13	13	12	11	11	10	9	9
HMO/HMOPOS	2028	2422	2667	2305	2138	2159	2357	2436	2400
Local PPO	646	800	1002	910	803	870	946	859	810
MA Health Senior Care Options	3	NA	NA	NA	NA	NA	NA	NA	NA
Medicare Prescription Drug Plan	2040	2037	1908	1783	1293	1233	1229	1450	1244
Medicare-Medicaid Plan	NA	NA	NA	NA	NA	NA	41	90	76
HMO/HMOPOS									
MN Disability Health Options	1	NA	NA	NA	NA	NA	NA	NA	NA
MN Senior Health Options	9	NA	NA	NA	NA	NA	NA	NA	NA
MSA	8	25	14	6	7	7	9	9	10
MSA Demo	3	NA	NA	NA	NA	NA	NA	NA	NA
National PACE	98	110	133	148	150	172	186	216	230
PFFS	562	994	849	519	237	208	187	126	72
Pilot	15	12	5	3	3	3	2	2	2
PSO (Federal Waiver of State License)	22	NA	NA	NA	NA	NA	NA	NA	NA

plan_type	2007	2008	2009	2010	2011	2012	2013	2014	2015
PSO (State License)	21	45	8	8	7	7	NA	NA	NA
Regional PPO	161	172	176	146	141	124	119	110	101
RFB PFFS	NA	NA	2	NA	NA	NA	NA	NA	NA
SHMO	16	NA	NA	NA	NA	NA	NA	NA	NA
WI Partnership Program	5	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	161	477	NA	NA	NA	NA	NA

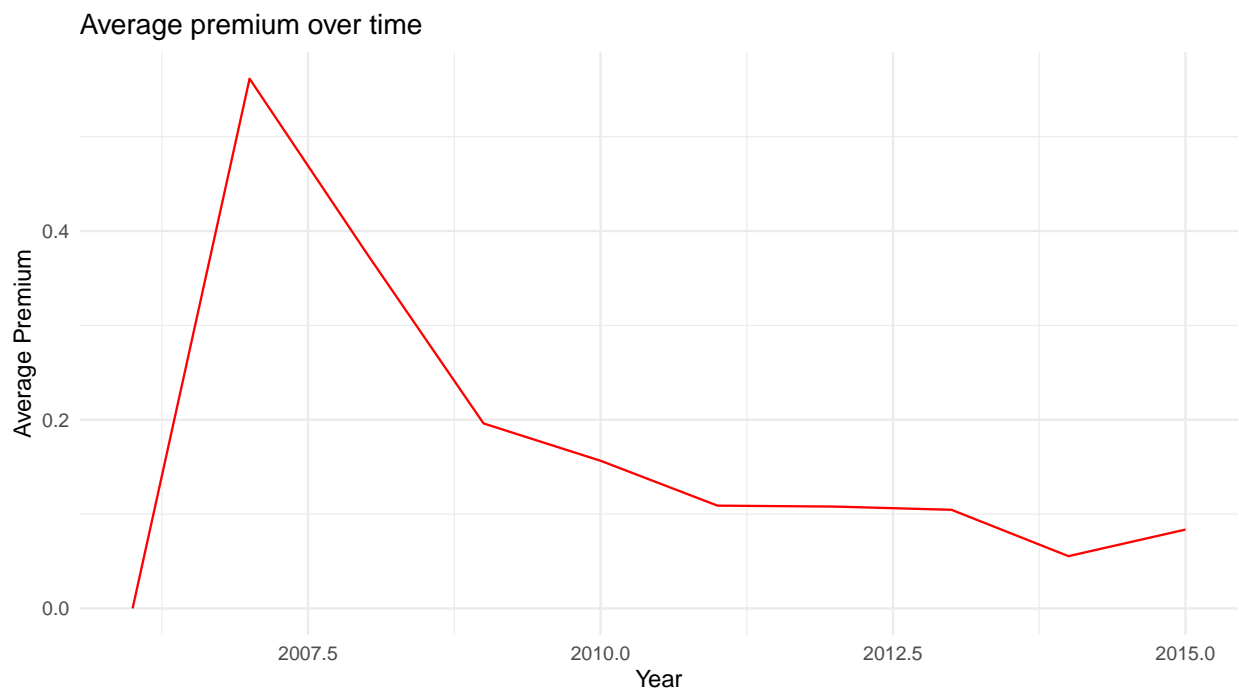
Question 4

plan_type	2007	2008	2009	2010	2011	2012	2013	2014	2015
1876 Cost	141	136	136	130	131	112	109	99	98
Continuing Care Retirement Community	16	20	20	20	NA	NA	NA	NA	NA
ESRD I	5	9	9	8	NA	NA	NA	NA	NA
HCPP - 1833 Cost	13	13	13	12	11	11	10	9	9
HMO/HMOPOS	1217	1314	1430	1255	1098	1120	1203	1243	1271
Local PPO	347	422	522	518	509	504	548	513	465
Medicare Prescription Drug Plan	1862	1858	1733	1619	1136	1062	1051	1186	1012
Medicare-Medicaid Plan	NA	NA	NA	NA	NA	NA	41	90	76
HMO/HMOPOS									
MSA	6	14	7	3	5	5	6	6	7
MSA Demo	2	NA	NA	NA	NA	NA	NA	NA	NA
National PACE	98	110	133	148	150	172	186	216	230
PFFS	457	806	653	413	213	201	180	120	69
Pilot	15	12	5	3	3	3	2	2	2
PSO (Federal Waiver of State License)	10	NA	NA	NA	NA	NA	NA	NA	NA
PSO (State License)	13	27	7	7	6	5	NA	NA	NA
Regional PPO	42	43	51	59	59	54	51	48	43
RFB PFFS	NA	NA	2	NA	NA	NA	NA	NA	NA
SHMO	3	NA	NA	NA	NA	NA	NA	NA	NA
NA	NA	NA	139	346	NA	NA	NA	NA	NA

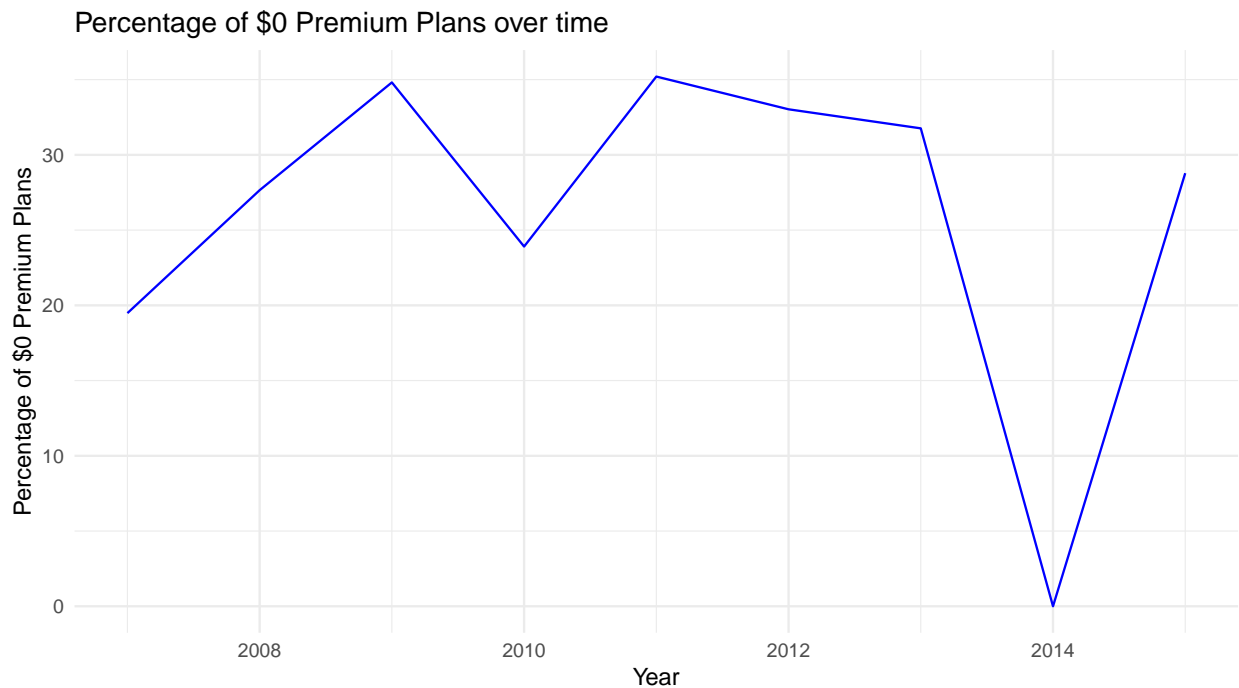
Question 5



Question 6



Question 7



Question 8

The 800-series plans represent the insurance plans offered by third parties, and this might not be representative of the whole population

Question 9

Maybe so many insurance companies decided to charge a \$0 premium because this might increase the demand for the insurance. For a beneficiary this might mean that less benefits are included.

Question 10

Working with this data was at times a little frustrating, since I was not really familiar with the data, and what the end goal was. I was not really working and doing all these things with a goal in mind, but instead I was simply following instructions, which made it harder for me to understand the purpose of the assignment and what I was supposed to achieve with it, and consequently at times I didn't know what I was doing.