

PSTAT 220A Project - All Relevant Bar Plots and Tables

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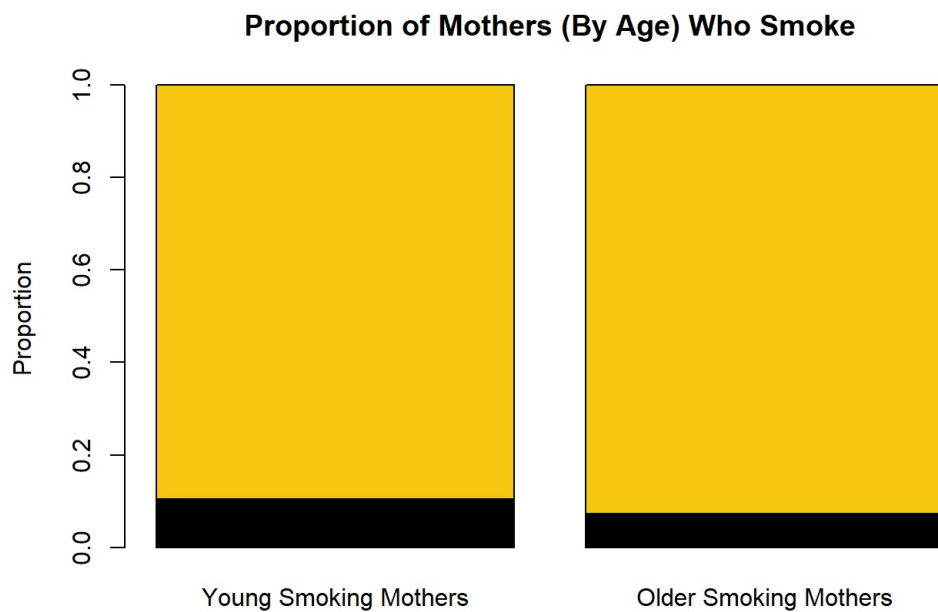
November 06, 2022

Table 1:

Cross-classification of infants by their survival and gestational age, and their mother's age and smoking habits:

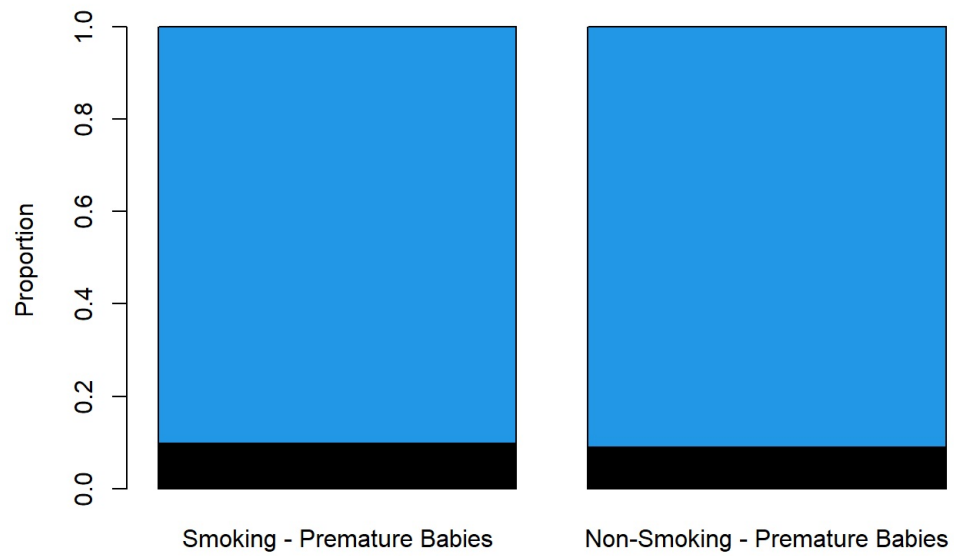
Mother's Age	Smoker	Premature - Died in 1st Year	Premature - Alive at 1st Year	Full Term - Died in 1st Year	Full Term - Alive at 1st Year	Total
Young	No	50	315	24	4012	4401
Young	Yes	9	40	6	459	514
Older	No	41	147	14	1594	1796
Older	Yes	4	11	1	124	140
Total		104	513	45	6189	6851

a.)

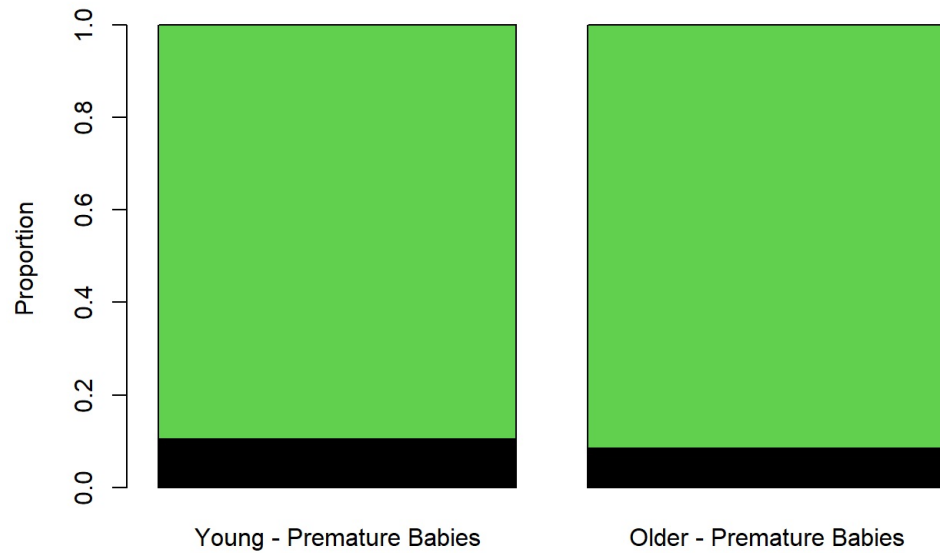


b.)

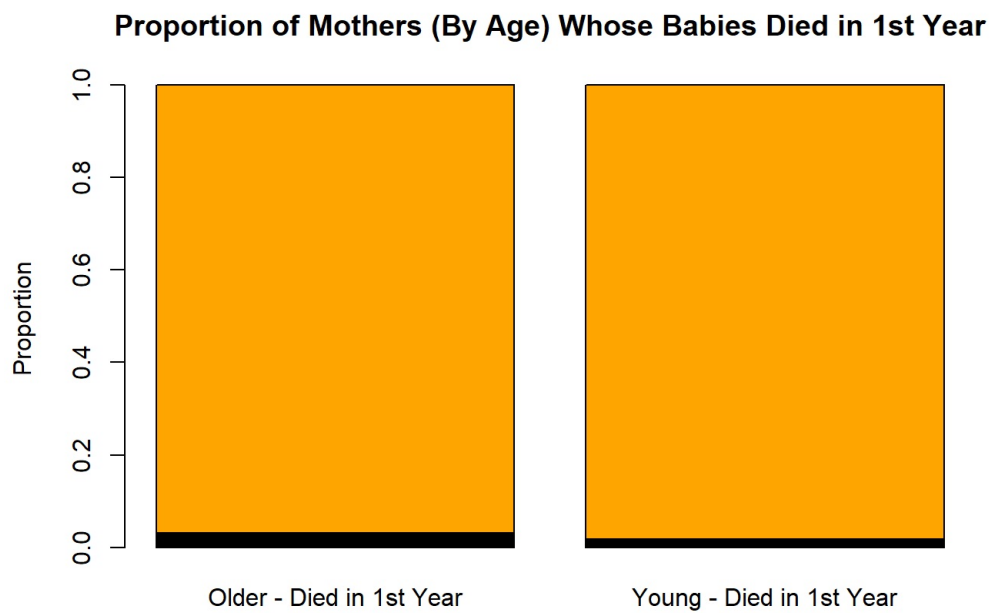
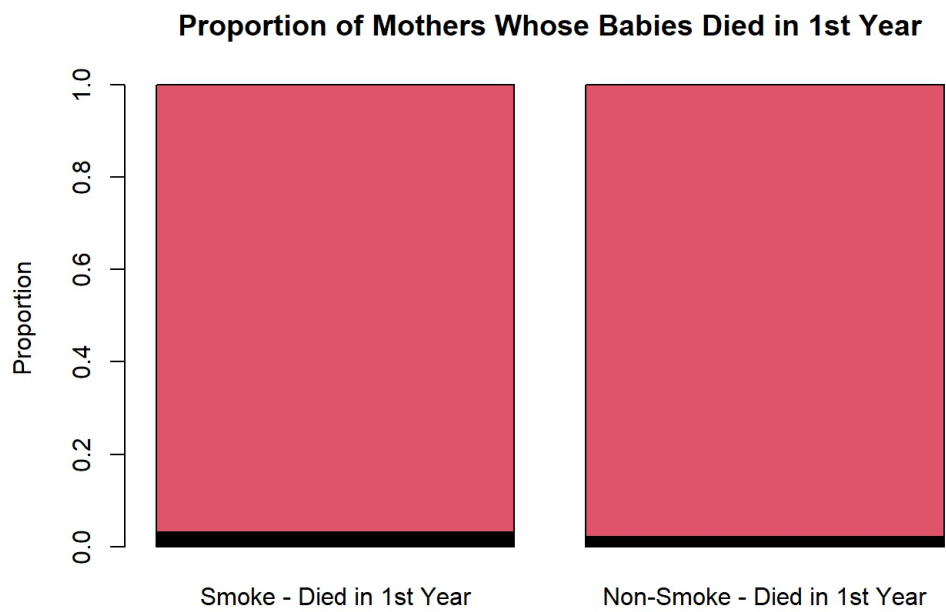
Proportion of Mothers (By Smoking Habits) With Premature Babies



Proportion of Mothers (By Age) With Premature Babies



c.)



d.)

Conditional on Smoking Mothers:

Age	Died in 1st Year	Alive at 1st Year	Total
Older	5	135	140
Young	15	499	514
Total	20	634	654

Conditional on Non-Smoking Mothers:

Age	Died in 1st Year	Alive at 1st Year	Total
Older	55	1741	1796
Young	74	4327	4401
Total	129	6068	6197

Conditional on Smoking Mothers:

Age	Premature	Full Term	Total
Older	15	125	140
Young	49	465	514
Total	64	590	654

Conditional on Non-Smoking Mothers:

Age	Premature	Full Term	Total
Older	188	1608	1796
Young	365	4036	4401
Total	553	5644	6197

Total	64	590	654				
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e.)

Conditional on Smoking Mothers:

Age	Premature - Died in 1st Year	Premature - Alive at 1st Year	Total
Older	4	11	15
Young	9	40	49
Total	13	51	64

Conditional on Non-Smoking Mothers:

Age	Premature - Died in 1st Year	Premature - Alive at 1st Year	Total
Older	41	147	188
Young	50	315	365
Total	91	462	553

f.)

Conditional on Young Mothers:

Smoker?	Premature - Died in 1st Year	Premature - Alive at 1st Year	Total
Yes	9	40	49
No	50	315	365
Total	59	355	414

Conditional on Older Mothers:

Smoker?	Premature - Died in 1st Year	Premature - Alive at 1st Year	Total
Yes	4	11	15
No	41	147	188
Total	45	158	203