

*Yang, Kun 301178299****Assignment 1 - Part 2***
part of the raw data

Obs	Name	PClass	Age	Sex	Survived
1	Allen, Miss Elisabeth Walton	1st	29	female	1
2	Allison, Miss Helen Loraine	1st	2	female	0
3	Allison, Mr Hudson Joshua Creighton	1st	30	male	0
4	Allison, Mrs Hudson JC (Bessie Waldo Daniels)	1st	25	female	0
5	Allison, Master Hudson Trevor	1st	0.92	male	1
6	Anderson, Mr Harry	1st	47	male	1
7	Andrews, Miss Kornelia Theodosia	1st	63	female	1
8	Andrews, Mr Thomas, jr	1st	39	male	0
9	Appleton, Mrs Edward Dale (Charlotte Lamson)	1st	58	female	1
10	Artagaveytia, Mr Ramon	1st	71	male	0

*Yang, Kun 301178299**Assignment 1 - Part 2**Table of the number of survivors given passenger class and sex*

		Survived	
		0	1
		N	N
PClass	Sex		
1st	female	9	134
	male	120	59
2nd	female	13	94
	male	148	25
3rd	female	132	80
	male	441	58

Yang, Kun 301178299**Assignment 1 - Part 2*****Table of the proportion of survival given passenger class and sex***

		Survived
		Mean
PClass	Sex	
1st	female	0.937
	male	0.330
2nd	female	0.879
	male	0.145
3rd	female	0.377
	male	0.116

*Table of the proportion of survival given passenger class and sex**The FREQ Procedure*

PClass=1st

Frequency Percent Row Pct Col Pct	Table of Sex by Survived			
	Sex	Survived		
		0	1	Total
	female	9	134	143
		2.80	41.61	44.41
		6.29	93.71	
		6.98	69.43	
	male	120	59	179
		37.27	18.32	55.59
		67.04	32.96	
		93.02	30.57	
	Total	129	193	322
		40.06	59.94	100.00

Statistics for Table of Sex by Survived

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.0330	0.0157	0.0694
Relative Risk (Column 1)	0.0939	0.0495	0.1782
Relative Risk (Column 2)	2.8430	2.2971	3.5185

Sample Size = 322

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Assignment 1 - Part 2**Table of the proportion of survival given passenger class and sex****The FREQ Procedure**

PClass=2nd

Frequency Percent Row Pct Col Pct	Table of Sex by Survived			
	Sex	Survived		
		0	1	Total
	female	13	94	107
		4.64	33.57	38.21
		12.15	87.85	
		8.07	78.99	
	male	148	25	173
		52.86	8.93	61.79
		85.55	14.45	
		91.93	21.01	
	Total	161	119	280
		57.50	42.50	100.00

Statistics for Table of Sex by Survived

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.0234	0.0114	0.0479
Relative Risk (Column 1)	0.1420	0.0850	0.2373
Relative Risk (Column 2)	6.0793	4.2019	8.7954

Sample Size = 280

*Table of the proportion of survival given passenger class and sex**The FREQ Procedure*

PClass=3rd

Frequency Percent Row Pct Col Pct	Table of Sex by Survived			
	Sex	Survived		
		0	1	Total
female		132	80	212
		18.57	11.25	29.82
		62.26	37.74	
		23.04	57.97	
male		441	58	499
		62.03	8.16	70.18
		88.38	11.62	
		76.96	42.03	
Total		573	138	711
		80.59	19.41	100.00

Statistics for Table of Sex by Survived

Odds Ratio and Relative Risks			
Statistic	Value	95% Confidence Limits	
Odds Ratio	0.2170	0.1469	0.3205
Relative Risk (Column 1)	0.7045	0.6314	0.7861
Relative Risk (Column 2)	3.2466	2.4115	4.3709

Sample Size = 711

Yang, Kun 301178299**Assignment 1 - Part 2*****Odds ratio of Death for females vs males by passenger class***

Obs	PClass	Table	StudyType	Statistic	Value	LowerCL	UpperCL
1	1st	Table Sex * Survived	Case-Control (Odds Ratio)	Odds Ratio	0.0330	0.0157	0.0694
2	1st	Table Sex * Survived	Cohort (Col1 Risk)	Relative Risk (Column 1)	0.0939	0.0495	0.1782
3	1st	Table Sex * Survived	Cohort (Col2 Risk)	Relative Risk (Column 2)	2.8430	2.2971	3.5185
4	2nd	Table Sex * Survived	Case-Control (Odds Ratio)	Odds Ratio	0.0234	0.0114	0.0479
5	2nd	Table Sex * Survived	Cohort (Col1 Risk)	Relative Risk (Column 1)	0.1420	0.0850	0.2373
6	2nd	Table Sex * Survived	Cohort (Col2 Risk)	Relative Risk (Column 2)	6.0793	4.2019	8.7954
7	3rd	Table Sex * Survived	Case-Control (Odds Ratio)	Odds Ratio	0.2170	0.1469	0.3205
8	3rd	Table Sex * Survived	Cohort (Col1 Risk)	Relative Risk (Column 1)	0.7045	0.6314	0.7861
9	3rd	Table Sex * Survived	Cohort (Col2 Risk)	Relative Risk (Column 2)	3.2466	2.4115	4.3709

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Assignment 1 - Part 2

Odds ratio of Death for females vs males by passenger class

Comparison of ODDS ratio (and 95% confidence intervals) among passenger classes

