

RMS Titanic

died	(1490)	67.7%
survived	(711)	32.3%
Total	2201	

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GENDER

female

male

26.8%

78.8%

73.2%

21.2%

470

1731

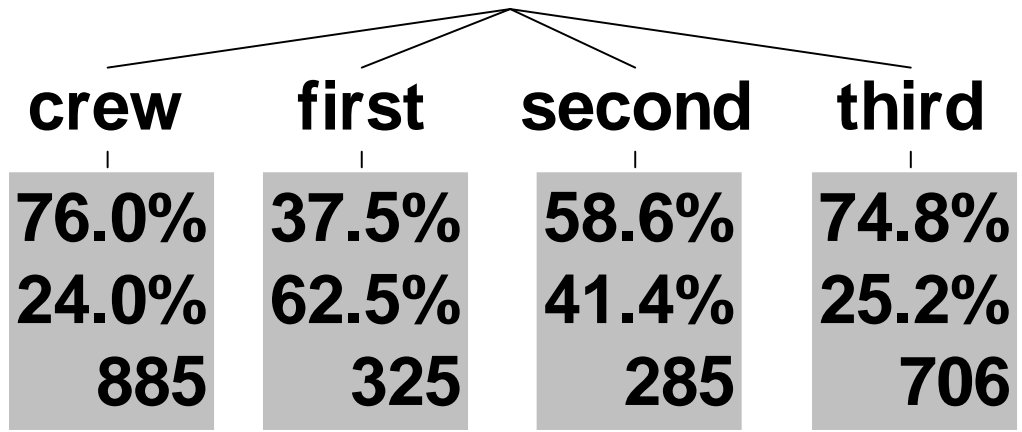
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AGE

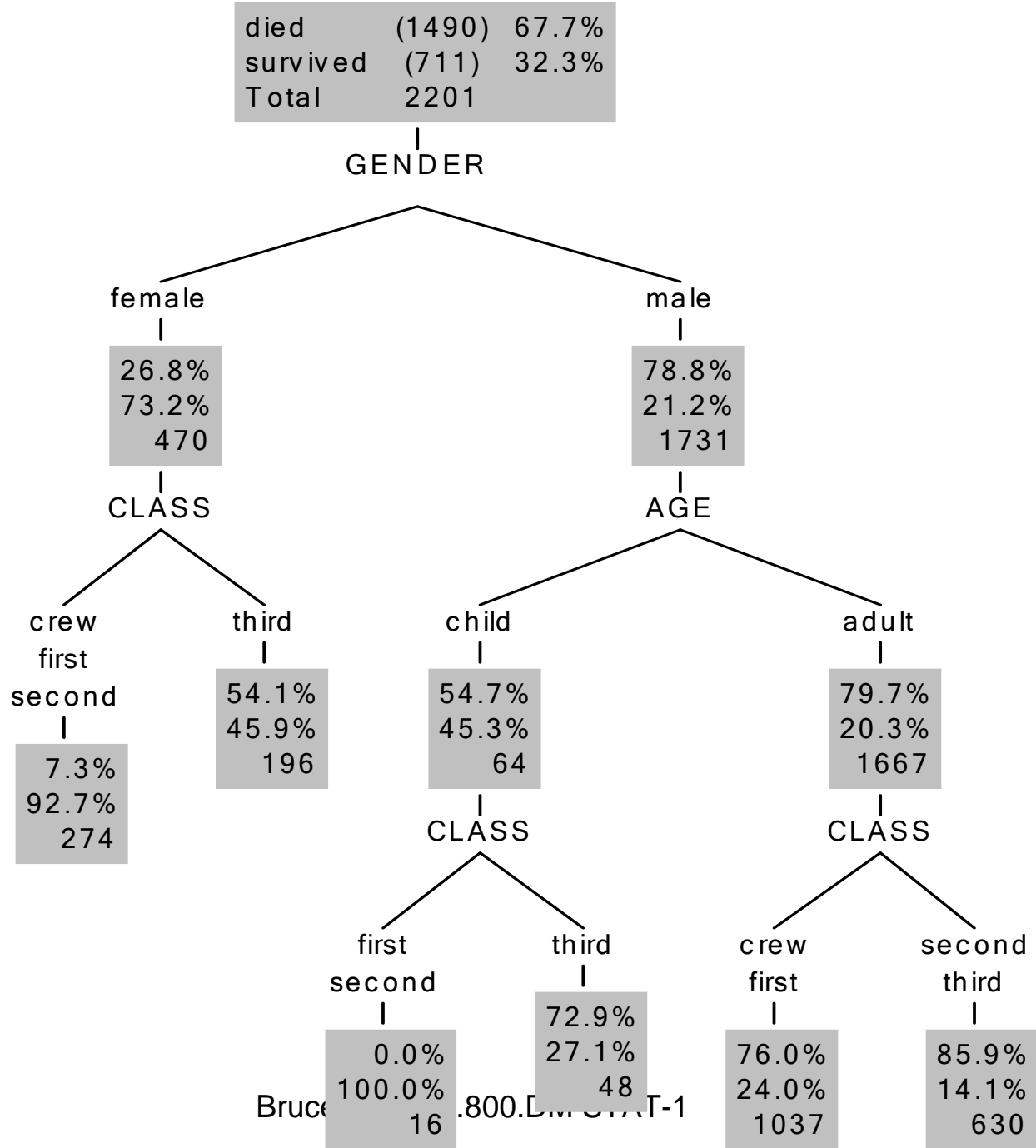
child	adult
47.7%	68.7%
52.3%	31.3%
109	2092

died	(1490)	67.7%
survived	(711)	32.3%
Total	2201	

CLASS



CHAID



Bruce .800.Dm STAT-1

*

CHAID-based Logistic Regression Model (LRM)

- $\text{logit}(\text{Survived}) =$
- 1.30 + 1.89*female + 1.10*first
+ 0.59*second - 0.68*madlt_23*
- **SCC|PS = % Survivors Correctly Classified
among those Predicted Survivors**

* madlt_23 = 2nd and 3rd class male adults

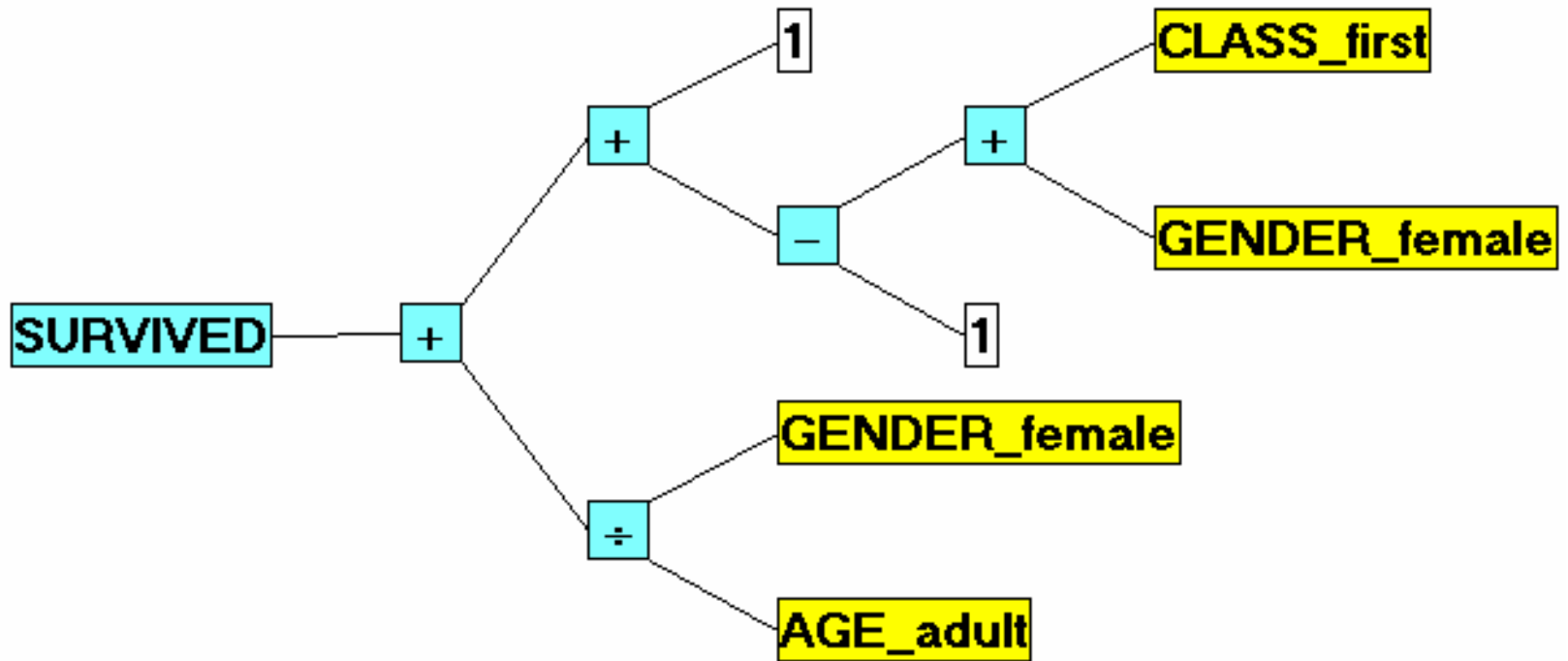
CHAID-based

Logistic Regression Model: SCC|PS = 60.05%

	Predicted Deceased	Predicted Survivors	total
Actual Deceased	1206	284	1490
Actual Survivors	284	427	711
total	1490	711	2201

- **SCC|PS = % Survivors Correctly Classified among those Predicted Survivors**

GenIQ Model



GenIQ Model

```
x1 = AGE_adult;  
  x2 = GENDER_female;  
  If x1 NE 0 Then x1 = x2 / x1; Else x1 = 1;  
  x2 = 1;  
  x3 = GENDER_female;  
  x4 = CLASS_first;  
  x3 = x3 + x4;  
  x2 = x3 - x2;  
  x3 = 1;  
  x2 = x2 + x3;  
  x1 = x1 + x2;  
GenIQvar = x1;
```

GenIQ Model: SCC|PS = 60.62%

	Predicted Deceased	Predicted Survivors	total
Actual Deceased	1210	280	1490
Actual Survivors	280	431	711
total	1490	711	2201

- **GenIQ Model IMPROVEMENT over LRM**
- **0.95% (= 60.62%/60.05%)**
- **4 survivors (that is a lot if they are your family)**

For a *free-n-easy* discussion of The GenIQ Model go to:
www.dmstat1.com/software.html

RMS Titanic

ON THE OTHER SIDE: "TITANIC" DISASTER SURVIVORS IN NEW YORK.

PHOTOGRAPHS BY LUTICK, S. AND G., THOMPSON, AND L.N.A.



1. THE WIRELESS OPERATOR WHO RECEIVED THE "TITANIC" DISASTER SIGNALS. 2. A SOCIETY CHILDREN FOR A WHILE. 3. LOLO AND BUBBER SAVATHE.

LIBRARY
HSLIIRB

Titanic Survivors
in New York