For example:

- **The typographical errors**

| 187 | 32 | M | Married | Trycicle Driver | Naguirangan | 02/06/2012 |

- **The format of date**

  Some of the dates are in different format, so I converted all from mm/dd/yyyy to dd/mm/yyyy

  | 11/27/2012 | → | 27/11/2012 |

- **Fill in or delete cells with missing values**

  | 01/15/2012 | None | | Gastrointestinal Disease |

- **I classified different diseases into one category:**

  So, there are only three classifications left.

  1. Accident
  2. Disease
  3. Cancer

  | Endocrine Disease |
  | Respiratory Disease | → | Disease |
  | Cardiovascular |

- **I also classified different occupations into one category:**

  So, there are only six occupations left.

  1. N/A – Child
  2. Student - Student
  3. Employed – Government Employee, Security Guard, Seaman and more.
  4. Self-Employed – Tricycle Driver, Housekeeper, and more.
  5. Unemployed – None, Housewife and more.
  6. Retired – Retired Police, Ret., Retired Employee, Pensioner, and more

  | Tricycle Driver | → | Self-Employed |
  | Gov't. Emp. | → | Employed |

- **Lastly, I remove all the empty rows and cells that are not necessary to the record.**

64	126	74	F	Widowed	None	Baligat	30/04/2011	5:10 PM	Multi-organ Failure	Cancer
65									Colon, Adenocorcinoma	
66										
67										
68										
69	127	88	F	Widowed	None	Quiling Norte	02/05/2011	5:00 PM	Pulmonary Arrest	Respiratory Disease
70									Hypostatic Pneumonia	

FROM RAW DATA

	Age	Sex	Civil Status	Occupation	Place of Residence	Date of Death	Time of Death	Causes of Death	Classifications
1	70	F	Married	Housekeeper	Caunayan	03/01/2011	11:45 PM	ARF, CAP	Cancer
								Breast CA w/ Liver Metastasis	
								Astrocytoma S/P	
								Stereotiactic Biopsy	
2	76	F	Widowed	None	Aglipay	05/01/2011	9:36 AM	Respiratory Failure	Respiratory Disease
								Aspiration Pneumonia	
3	82	M	Single	None	Sumader	05/01/2011	None	ASHD	Cardiovascular Disease
4	88	M	Married	None	Nalupta	07/01/2011	2:00 PM	CRA, Organ Failure	Cardiovascular Disease
5	58	M	Married	None	Barani	07/01/2011	6:25 PM	T/C Brain Herniation	Cardiovascular Disease
								Acute Cerebrovascular Disease	
								Hemorrhage sec. to	
								Hypertensive Heart Disease	
								Hypertension Stage II, Uncontrolled	
								Aspiration Pneumonia	
6	74	M	Single	None	Payao	07/01/2011	None	T/C Acute MI	Cardiovascular Disease
7	87	M	Married	Pastor	Baay	07/01/2011	None	ASHD	Cardiovascular Disease
8	52	M	Married	None	Tabug	08/01/2011	1:45 PM	Septic Shock, Sepsis	Respiratory Disease
								CNS Infection, CAP	
								CHF FC IV, Alcoholic Myopathy	
9	77	F	Widowed	Housekeeper	Ablan	08/01/2011	4:50 PM	CPA, Sepsis	Endocrine Disease
								Diabetes Mellitus II	
10	75	M	Widowed	None	Nalupta	09/01/2011	None	ASHD	Cardiovascular Disease
11	4 D	M	Child	N/A	Callaguip	12/01/2011	12:20 AM	Respiratory Distress Syndrome	Respiratory Disease
								Prematurity	
								Meconium Aspiration Syndrome	
								Disseminated Intravascular Coagulapathy	
								Sepsis Neonatorum	
12	55	F	Widowed	Housekeeper	Baoa East	12/01/2011	11:45 PM	T/C Brain Herniation	Cardiovascular Disease
								Acute Cerebrovascular Disease	
								Probably Hemorrhage	
								Hypertension Stage II, Uncontrolled	
13	50	M	Married	None	Acosta	13/01/2011	4:05 AM	Hepatorenal Syndrome Type I	Endocrine Disease

TO CLEANSED DATA

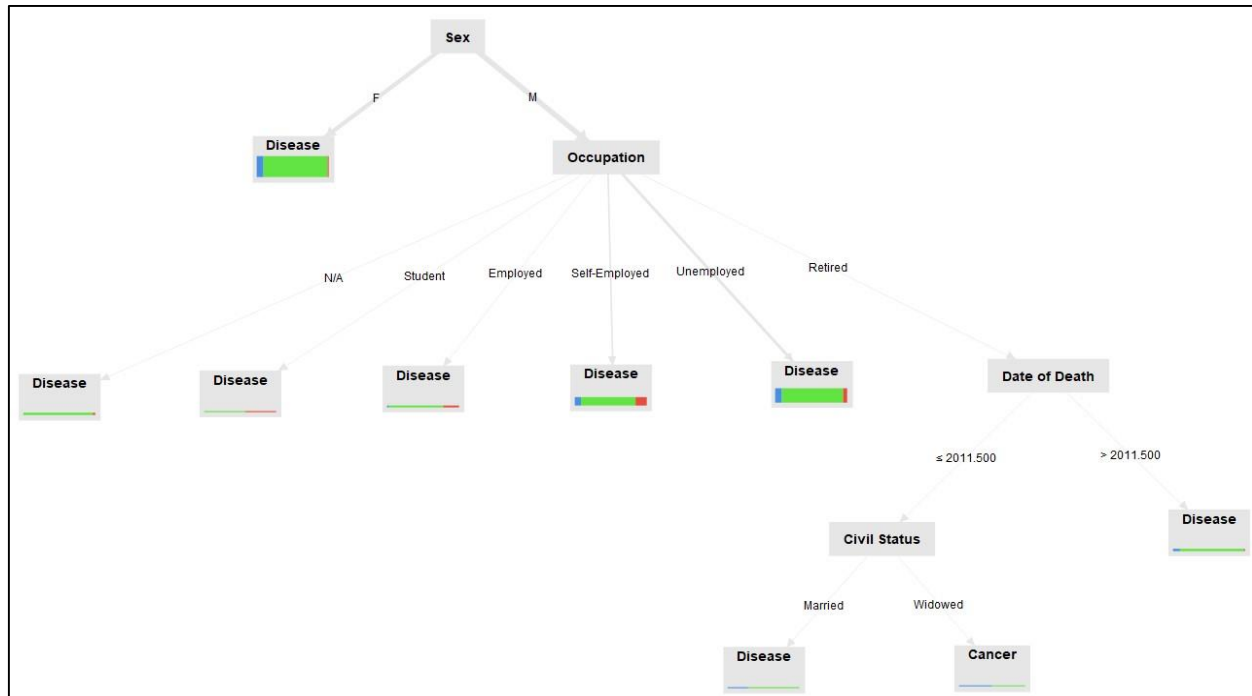|	Age	Sex	Civil Status	Occupation	Place of Residence	Date of Death	Time of Death	Causes of Death	Classifications
1	70	F	Married	Self-Employed	Caunayan	03-Jan-11	11:45 PM	ARF, CAP	Cancer
2	76	F	Widowed	Unemployed	Aglipay	05-Jan-11	9:36 AM	Disease Failure	Disease
3	82	M	Single	Unemployed	Sumader	05-Jan-11	None	ASHD	Disease
4	88	M	Married	Unemployed	Nalupta	07-Jan-11	2:00 PM	CRA, Organ Failure	Disease
5	58	M	Married	Unemployed	Barani	07-Jan-11	6:25 PM	T/C Brain Herniation	Disease
6	74	M	Single	Unemployed	Payao	07-Jan-11	None	T/C Acute MI	Disease
7	87	M	Married	Self-Employed	Baay	07-Jan-11	None	ASHD	Disease
8	52	M	Married	Unemployed	Tabug	08-Jan-11	1:45 PM	Septic Shock, Sepsis	Disease
9	77	F	Widowed	Self-Employed	Ablan	08-Jan-11	4:50 PM	CPA, Sepsis	Disease
10	75	M	Widowed	Unemployed	Nalupta	09-Jan-11	None	ASHD	Disease
11	0.0109589	M	Child	N/A	Callaguip	12-Jan-11	12:20 AM	Disease Distress Syndrome	Disease
12	55	F	Widowed	Self-Employed	Baoa East	12-Jan-11	11:45 PM	T/C Brain Herniation	Disease
13	50	M	Married	Unemployed	Acosta	13-Jan-11	4:05 AM	Hepatorenal Syndrome Type I	Disease
14	67	M	Single	Unemployed	Ben-agan	13-Jan-11	8:00 AM	CPA, Pneumonia	Disease
15	60	M	Married	Self-Employed	Barani	13-Jan-11	4:30 PM	T/C Brain Herniation	Disease
16	47	M	Married	Self-Employed	Tabug	14-Jan-11	11:20 AM	Acute Renal Failure	Disease
17	56	M	Single	Self-Employed	Quiling Sur	16-Jan-11	2:00 PM	Cerebrovascular Accident	Accident
18	75	M	Married	Unemployed	Aglipay	17-Jan-11	None	T/C CKD	Disease
19	94	F	Widowed	Unemployed	Pimentel	18-Jan-11	6:45 PM	Septic Shock, CAP	Disease
20	87	F	Widowed	Self-Employed	Baay	18-Jan-11	None	ASHD	Disease
21	2	M	Child	N/A	Valdez	21-Jan-11	7:13 PM	Pulmonary Hemorrhage	Disease
22	62	F	Single	Employed	Quiling Sur	23-Jan-11	None	Diabetic, Neathropathy	Disease
23	47	M	Single	Unemployed	Acosta	23-Jan-11	None	Liver Cirrhosis	Disease
24	91	F	Widowed	Unemployed	Palongpong	24-Jan-11	None	ASHD	Disease
25	84	F	Widowed	Unemployed	Baay	29-Jan-11	None	ASHD	Disease
26	69	M	Married	Unemployed	Capacuan	31-Jan-11	11:45 PM	Rheumatic Heart Disease	Disease
27	85	M	Married	Unemployed	Payao	31-Jan-11	None	ASHD	Disease
28	52	M	Single	Unemployed	Bil-loca	01-Feb-11	None	T/C MI	Disease
29	72	M	Married	Self-Employed	Nalupta	01-Feb-11	None	T/C Acute MI	Disease
30	59	M	Married	Unemployed	San Julian	04-Feb-11	9:30 AM	Cardiac Arrest	Disease
31	0.0833334	M	Child	N/A	Pimentel	05-Feb-11	1:10 PM	Septic Shock	Disease
32	62	M	Single	Self-Employed	Baay	05-Feb-11	5:35 PM	Cerebrovascular Accident w/	Accident
33	89	F	Widowed	Self-Employed	Ben-agan	06-Feb-11	12:15 AM	CPA, Anemia Severe	Disease
34	90	F	Married	Unemployed	Baay	06-Feb-11	9:10 AM	ARF, CAP-HR, COPD	Disease
35	48	M	Married	Unemployed	Baligat	07-Feb-11	3:30 PM	Hypovolemic Shock	Accident
36	56	M	Married	Unemployed	Naguirangan	07-Feb-11	None	PTB, Extension	Disease
37	49	M	Married	Self-Employed	Tabug	07-Feb-11	None	T/C HCVD	Disease
38	79	M	Married	Self-Employed	Magnuang	07-Feb-11	None	COPD, Chronic Asthma	Disease

VISUALIZATIONS (Scatter / Bubble)

X-axis = Age

Color = Civil Status

Value = Classifications

Size = Date of Death

DECISION TREE

Before I start the execution on the design tab, I filtered out some columns like the age, time of death, causes of death, and the place of residence because for me, these values are not necessary on the knowledge that I will discover.

Knowledge that I discovered from the data regarding the deaths of the various individuals listed:

1. The **greatest number of deaths** recorded from 2011-2015, **2013** is the highest with a number of **447 deaths.**
2. The **lowest number of deaths** recorded from 2011-2015, **2015** is the lowest with a number of **277 deaths only.**
3. From the given death records, **1,117** who died are **Unemployed.**
4. Out of 1,944 records, **81** in the **Female** category died due to **Cancer.**
5. Out of 1,944 records, **768** in the **Female** category died due to a **Disease.**
6. Out of 1,944 records, **13** in the **Female** category died due to an **Accident.**
7. In the **Male** Category who are **Employed**, **31** out of 1,944 died due to a **Disease.**
8. In the **Male** Category who are **Employed**, **9** out of 1,944 died due to an **Accident.**
9. In the **Male** Category who are **Employed**, only **1** out of 1,944 died due to **Cancer.**
10. In the **Male** Category with an occupation of **N/A** (Still a child), out of 1,944, **no one died** due to Cancer**.**
11. In the **Male** Category with an occupation of **N/A** (Still a child), **59** out of 1,944 died due to a **Disease.**
12. In the **Male** Category with an occupation of **N/A** (Still a child), only **1** out of 1,944 died due to a **Disease.**
13. In the year of **2012 and above** in the **Male** Category who already **Retired**, **6** out of 1,944 died due to **Cancer.**
14. In the year of **2012 and above** in the **Male** Category who already **Retired**, **55** out of 1,944 died due a **Disease.**
15. In the year of **2012 and above** in the **Male** Category who already **Retired**, only **1** out of 1,944 died due an **Accident.**
16. In the year of **2011** in the **Male** Category who already **Retired** and with a **Married** civil status, **2** out of 1,944 died due to **Cancer.**

17. In the year of **2011** in the **Male** Category who already **Retired** and with a **Married** civil status, **5** out of 1,944 died due to a **Disease.**
18. In the year of **2011** in the **Male** Category who already **Retired** and with a **Married** civil status, out of 1,944 **no one died** due to an **Accident.**
19. In the year of **2011** in the **Male** Category who already **Retired** and with a **Widowed** civil status, only **1** out of 1,944 died due to **Cancer.**
20. In the year of **2011** in the **Male** Category who already **Retired** and with a **Widowed** civil status, only **1** out of 1,944 died due to a **Disease.**
21. In the year of **2011** in the **Male** Category who already **Retired** and with a **Widowed** civil status, out of 1,944 **no one died** due to an **Accident.**
22. In the **Male** Category who are **Self-Employed**, **28** out of 1,944 died due to **Cancer.**
23. In the **Male** Category who are **Self-Employed**, **244** out of 1,944 died due to a **Disease.**
24. In the **Male** Category who are **Self-Employed**, **50** out of 1,944 died due to an **Accident.**
25. In the **Male** Category who are still a **Student**, out of 1,944 **no one died** due to **Cancer.**
26. In the **Male** Category who are still a **Student**, **4** out of 1,944 died due to a **Disease.**
27. In the **Male** Category who are still a **Student**, **3** out of 1,944 died due to an **Accident.**
28. In the **Male** Category who are **Unemployed**, **54** out of 1,944 died due to **Cancer.**
29. In the **Male** Category who are **Unemployed**, **494** out of 1,944 died due to a **Disease.**
30. In the **Male** Category who are **Unemployed**, **32** out of 1,944 died due to an **Accident.**