

Which Graph to Use

Types of variable		Graph	Example												
EV	RV														
Categorical	Categorical	<ul style="list-style-type: none"> TWO WAY FREQUENCY TABLE (%) 	<table border="1"> <thead> <tr> <th>Party preference</th> <th>Female</th> <th>Male</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Labor</td> <td>60.0</td> <td>40.0</td> <td>100</td> </tr> <tr> <td>Liberal</td> <td>59.3</td> <td>40.7</td> <td>100</td> </tr> </tbody> </table>	Party preference	Female	Male	Total	Labor	60.0	40.0	100	Liberal	59.3	40.7	100
Party preference	Female	Male	Total												
Labor	60.0	40.0	100												
Liberal	59.3	40.7	100												
Categorical	Categorical	<ul style="list-style-type: none"> SEGMENTED BAR CHARTS SIDE BY SIDE (parallel) BAR CHART 													
Categorical	Numerical	<ul style="list-style-type: none"> PARALLEL BOXPLOTS PARALLEL DOT PLOTS 													

<p>Categorical (two categories only)</p>	<p>Numerical</p>	<ul style="list-style-type: none"> • BACK TO BACK STEM PLOTS 	<table border="1"> <thead> <tr> <th>Leaf</th> <th>Stem</th> <th>Leaf</th> </tr> </thead> <tbody> <tr> <td>Labor</td> <td></td> <td>Liberal</td> </tr> <tr> <td>0</td> <td>18</td> <td></td> </tr> <tr> <td>3</td> <td>19</td> <td></td> </tr> <tr> <td>4 2</td> <td>20</td> <td>4</td> </tr> <tr> <td>4 1 0</td> <td>21</td> <td>5</td> </tr> <tr> <td>9 6 6 2</td> <td>22</td> <td>6</td> </tr> <tr> <td>8 4 3</td> <td>23</td> <td>3</td> </tr> <tr> <td>7 6</td> <td>24</td> <td>4 5</td> </tr> <tr> <td>7 2</td> <td>25</td> <td>0 3</td> </tr> <tr> <td>3</td> <td>26</td> <td>1 3 6 7</td> </tr> <tr> <td>0</td> <td>27</td> <td>2 2 3 5 9</td> </tr> <tr> <td></td> <td>28</td> <td>0 5 7</td> </tr> </tbody> </table> <p>Key: 18 0 = 180</p>	Leaf	Stem	Leaf	Labor		Liberal	0	18		3	19		4 2	20	4	4 1 0	21	5	9 6 6 2	22	6	8 4 3	23	3	7 6	24	4 5	7 2	25	0 3	3	26	1 3 6 7	0	27	2 2 3 5 9		28	0 5 7
Leaf	Stem	Leaf																																								
Labor		Liberal																																								
0	18																																									
3	19																																									
4 2	20	4																																								
4 1 0	21	5																																								
9 6 6 2	22	6																																								
8 4 3	23	3																																								
7 6	24	4 5																																								
7 2	25	0 3																																								
3	26	1 3 6 7																																								
0	27	2 2 3 5 9																																								
	28	0 5 7																																								
<p>Numerical</p>	<p>Numerical</p>	<ul style="list-style-type: none"> • SCATTER PLOTS 																																								