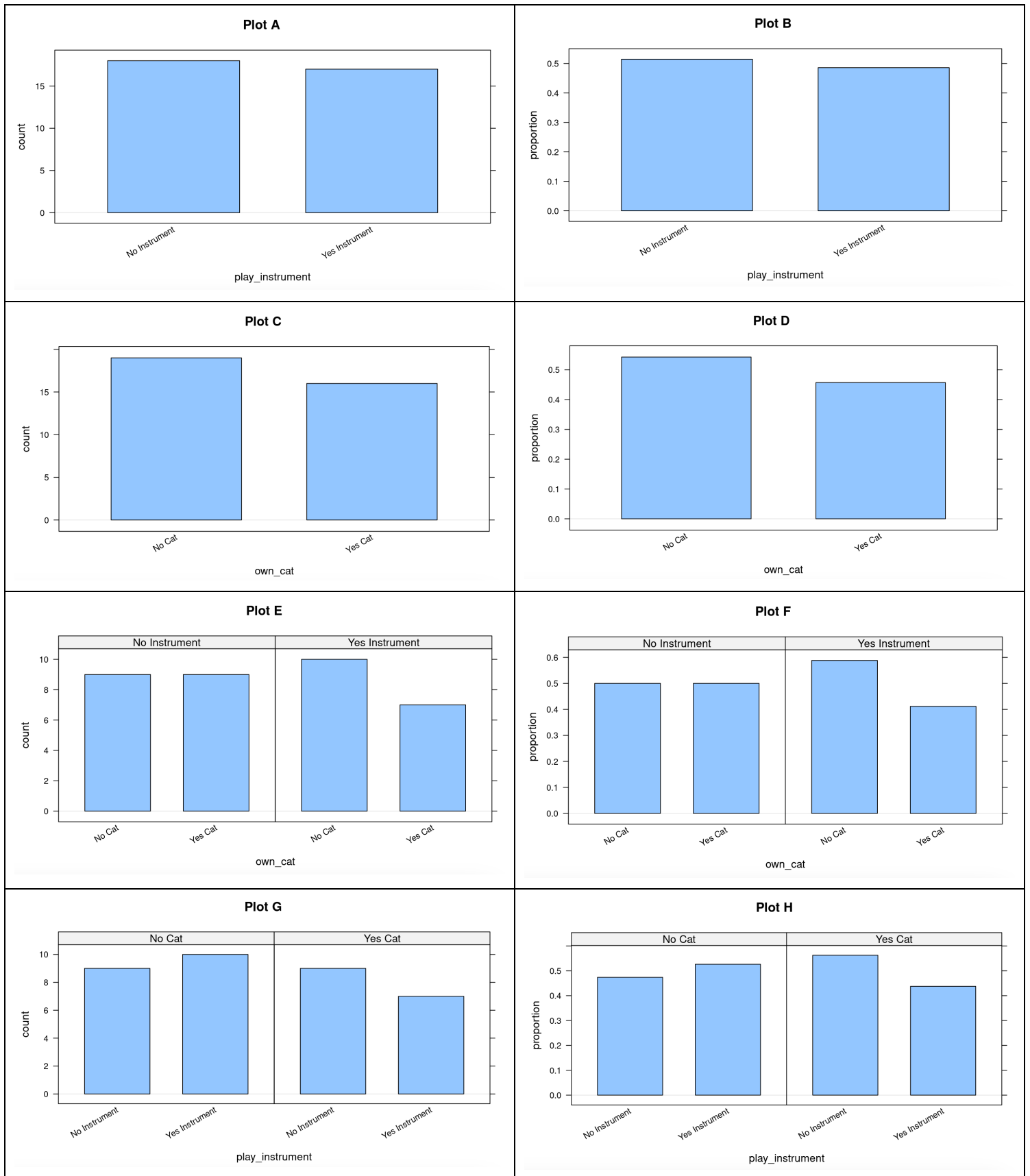
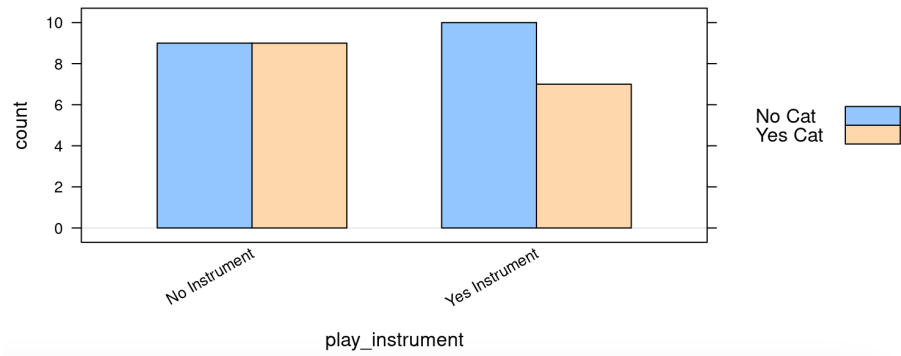


## Analyzing Categorical Variables

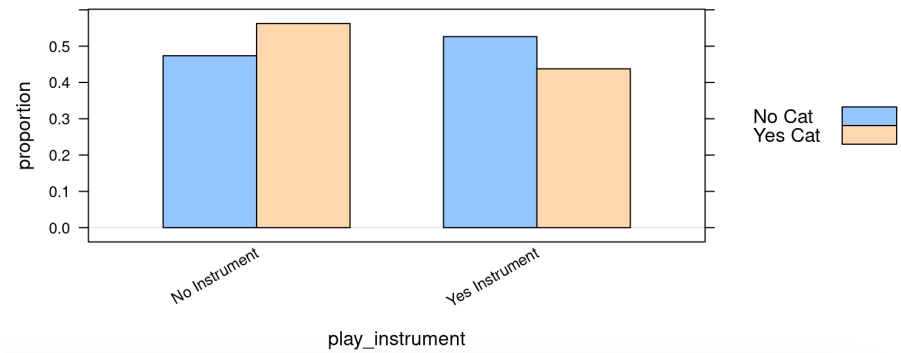


## Analyzing Categorical Variables

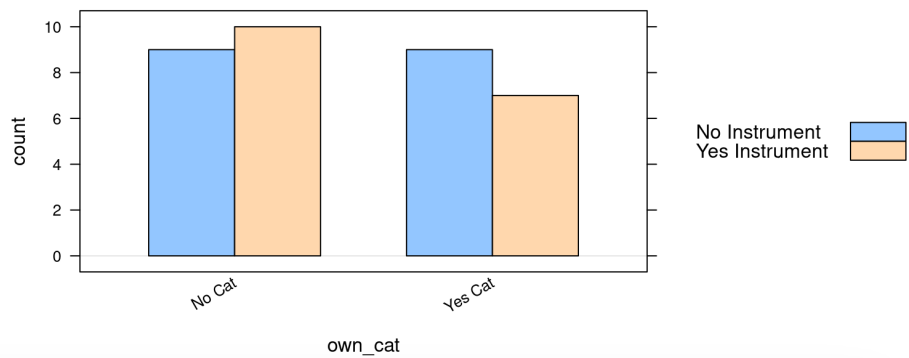
Plot I



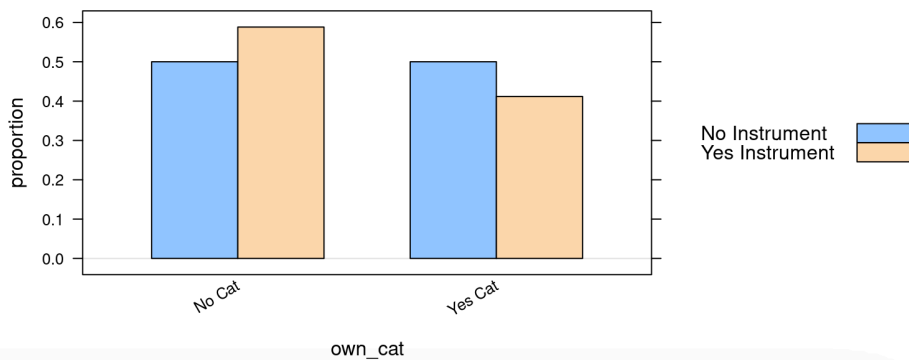
Plot J



Plot K



Plot L



## Analyzing Categorical Variables

<div>TABLE 1</div> <div><div>play_instrument</div><table><tr><td>own_cat</td><td>No Instrument</td><td>Yes Instrument</td></tr><tr><td>No Cat</td><td>9</td><td>10</td></tr><tr><td>Yes Cat</td><td>9</td><td>7</td></tr><tr><td>Total</td><td>18</td><td>17</td></tr></table></div>	own_cat	No Instrument	Yes Instrument	No Cat	9	10	Yes Cat	9	7	Total	18	17	<div>TABLE 2</div> <div><div>play_instrument</div><table><tr><td>own_cat</td><td>No Instrument</td><td>Yes Instrument</td></tr><tr><td>No Cat</td><td>0.5000000</td><td>0.5882353</td></tr><tr><td>Yes Cat</td><td>0.5000000</td><td>0.4117647</td></tr><tr><td>Total</td><td>1.0000000</td><td>1.0000000</td></tr></table></div>	own_cat	No Instrument	Yes Instrument	No Cat	0.5000000	0.5882353	Yes Cat	0.5000000	0.4117647	Total	1.0000000	1.0000000
own_cat	No Instrument	Yes Instrument																							
No Cat	9	10																							
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Total	18	17																							
own_cat	No Instrument	Yes Instrument																							
No Cat	0.5000000	0.5882353																							
Yes Cat	0.5000000	0.4117647																							
Total	1.0000000	1.0000000																							
<div>TABLE 3</div> <div><div>own_cat</div><table><tr><td>No Cat</td><td>Yes Cat</td><td>Total</td></tr><tr><td>0.5428571</td><td>0.4571429</td><td>1.0000000</td></tr></table></div>	No Cat	Yes Cat	Total	0.5428571	0.4571429	1.0000000	<div>TABLE 4</div> <div><div>play_instrument</div><table><tr><td>No Instrument</td><td>Yes Instrument</td><td>Total</td></tr><tr><td>0.5142857</td><td>0.4857143</td><td>1.0000000</td></tr></table></div>	No Instrument	Yes Instrument	Total	0.5142857	0.4857143	1.0000000												
No Cat	Yes Cat	Total																							
0.5428571	0.4571429	1.0000000																							
No Instrument	Yes Instrument	Total																							
0.5142857	0.4857143	1.0000000																							
<div>TABLE 5</div> <div><div>own_cat</div><table><tr><td>No Cat</td><td>Yes Cat</td></tr><tr><td>19</td><td>16</td></tr></table></div>	No Cat	Yes Cat	19	16	<div>TABLE 6</div> <div><div>play_instrument</div><table><tr><td>No Instrument</td><td>Yes Instrument</td></tr><tr><td>18</td><td>17</td></tr></table></div>	No Instrument	Yes Instrument	18	17																
No Cat	Yes Cat																								
19	16																								
No Instrument	Yes Instrument																								
18	17																								
<div>TABLE 7</div> <div><div>own_cat</div><table><tr><td>play_instrument</td><td>No Cat</td><td>Yes Cat</td></tr><tr><td>No Instrument</td><td>9</td><td>9</td></tr><tr><td>Yes Instrument</td><td>10</td><td>7</td></tr><tr><td>Total</td><td>19</td><td>16</td></tr></table></div>	play_instrument	No Cat	Yes Cat	No Instrument	9	9	Yes Instrument	10	7	Total	19	16	<div>TABLE 8</div> <div><div>own_cat</div><table><tr><td>play_instrument</td><td>No Cat</td><td>Yes Cat</td></tr><tr><td>No Instrument</td><td>0.4736842</td><td>0.5625000</td></tr><tr><td>Yes Instrument</td><td>0.5263158</td><td>0.4375000</td></tr><tr><td>Total</td><td>1.0000000</td><td>1.0000000</td></tr></table></div>	play_instrument	No Cat	Yes Cat	No Instrument	0.4736842	0.5625000	Yes Instrument	0.5263158	0.4375000	Total	1.0000000	1.0000000
play_instrument	No Cat	Yes Cat																							
No Instrument	9	9																							
Yes Instrument	10	7																							
Total	19	16																							
play_instrument	No Cat	Yes Cat																							
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Total	1.0000000	1.0000000																							