Intersection Observations
Data entry form for Cell Phone Study Observations

Instructions:
This is an observational study that helps us understand how using a cell phone affects driving. The data you collect will help with your class assignment, but the data will also be used as part of a national research project on driver distraction, so careful data collection is very important.

What you will do is select a partner from class (if you cannot find a partner, a friend or family member can help you out on this assignment).

Print this data entry form. You will use this to record your observations and later transfer your observations to the Internet.

You need to choose an intersection where you make your observations. This can be a 4-way stop intersection near a school, or an intersection with traffic lights. You will want to select an intersection where there are a decent number of cars, or you will have nothing to observe (but don’t select an intersection with too many cars or you will be too busy). You should plan to take observations for one hour.

One person should stand on one corner and the other should stand on the opposite corner. Take a picture of each of you while you are at the intersection, you will upload these photos along with your observations later.

As cars travel by, your job is to observe whether the driver is 1) talking on a cell phone, 2) texting or dialing a cell phone, or 3) not on a cell phone. If you cannot tell for sure, count this as a driver not on the cell phone. You should also note if the driver makes a legal stop or if they fail to stop according to the laws. Drivers are required by law to come to a complete stop at the white stop bar in front of the crosswalk. For example, if they are using a cell phone and make a legal stop, add one to the tally in that box.

At the end of the hour, add up the tallies for the 4 conditions and then type the data into the Internet forms at http://www.psych.utah.edu/cellphonestudy. Once you have entered all the information, the computer will provide you will the following information (you should write this down for your report):

1) **Kappa**, a measure of the reliability or agreement between you and the other observer. Kappa ranges from 0 (low reliability) to 1.0 (high reliability).
2) An **Odds Ratio**, that tells you how much more likely a driver is to fail to make a legal stop if they are on a cell phone. The higher the odds ratio, the more likely it is that drivers using a cell phone fail to stop.
3) A **Chi Square** statistic, that tells you if your differences are statistically significant. A probability of p<.05 is considered significant.
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Please record the following information about the intersection where you do the observations. When complete, enter the data at http://www.psych.utah.edu/cellphonestudy. Don’t forget to take pictures at the intersection.

Date of observation: ________________

Time of observation

Observation Begin: ________________ Observation End: ________________

Intersection Type

- 2-way Stop Signs
- 4-way Stop Signs
- 2-way Traffic Lights
- 4-way Traffic Lights
- Other

- 1 Lane
- 1 Lane with Turning Lane
- 2 Lanes
- 2 Lane with Turning Lane
- Other

Address of observation: _______________________________________________

City of observation: ___________________________________________________

State of observation: ________________________________________________

Zip code of observation: ______________________________________________

University: ___________________________________________________________

Class: ________________________________ In-class or Online? ________________
Observer 1
Please record the following information from Observer 1

**Name of Observer 1:** __________________________________________________________

**ID (unid):** ________________________________________________________________

**Email address:** ______________________________________________________________

Keep tally marks for each of the following conditions (For example, if a car passes with someone not on a cell phone, and that obeys traffic laws you would put a mark in the top left box. If you see someone texting who violates traffic laws, you would put a mark in the bottom right box). **Don’t forget to take a picture!**

<table>
<thead>
<tr>
<th>Obey Traffic Laws</th>
<th>Violate Traffic Laws</th>
</tr>
</thead>
<tbody>
<tr>
<td>![Stop Icon]</td>
<td>![Stop Icon]</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>No Cell</strong></th>
<th>![No Cell Icon]</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Talking on Cell</strong></th>
<th>![Talking on Cell Icon]</th>
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</thead>
</table>

<table>
<thead>
<tr>
<th><strong>Texting / Dialing</strong></th>
<th>![Texting Icon]</th>
</tr>
</thead>
</table>
Please record the following information from Observer 2

**Name of Observer 2:**

**ID (uniq):**

**Email address:**

Keep tally marks for each of the following conditions (For example, if a car passes with someone not on a cell phone, and that obeys traffic laws you would put a mark in the top left box. If you see someone texting who violates traffic laws, you would put a mark in the bottom right box). **Don't forget to take a picture!**

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<tbody>
<tr>
<td><img src="image" alt="Stop" /></td>
<td><img src="image" alt="Stop" /></td>
</tr>
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**No Cell**

**Talking on Cell**

**Texting / Dialing**