



Statistics Data Organization - Data Goal to Best Data Collection Method

<p>1</p> <p>What is the best way to collect this data?</p> <p>Goal: Average electricity use in homes</p> <ul style="list-style-type: none"> A Count the number of lights visible from outside. B Collect electricity usage records from a representative C Ask homeowners to estimate their monthly electricity use D Survey only homes with solar panels. 	<p>2</p> <p>What is the best way to collect this data?</p> <p>Goal: Average number of books read by adults in a year</p> <ul style="list-style-type: none"> A Survey a representative sample of adults using a consistent time period. B Ask bookstore employees what people usually read. C Count books displayed on library shelves. D Survey members of a local book club and compare how many books they typically read.
<p>3</p> <p>What is the best way to collect this data?</p> <p>Goal: Fuel efficiency of a car model</p> <ul style="list-style-type: none"> A Compare vehicles driven under different conditions. B Estimate efficiency from the engine size. C Ask drivers whether the vehicle feels fuel efficient and compare their opinions after several D Measure fuel consumption over a known driving distance. 	<p>4</p> <p>What is the best way to collect this data?</p> <p>Goal: Average daily screen time among teenagers</p> <ul style="list-style-type: none"> A Survey only members of the computer club. B Ask parents to estimate their teenager's screen time. C Ask teenagers to estimate their daily screen time and describe how they divide it between D Collect screen-time reports directly from the devices of a representative sample.
<p>5</p> <p>What is the best way to collect this data?</p> <p>Goal: Customer wait time at a coffee shop</p> <ul style="list-style-type: none"> A Record the order and pickup times for customers. B Count the number of drinks on the menu. C Ask customers whether the wait seemed long and compare D Measure wait times during one busy morning. 	<p>6</p> <p>What is the best way to collect this data?</p> <p>Goal: Preferred features in a new mobile app</p> <ul style="list-style-type: none"> A Survey people who rarely use smartphones. B Survey representative users about the features they value C Interview the app developers about which features they D Compare download numbers for other apps.
<p>7</p> <p>What is the best way to collect this data?</p> <p>Goal: Average traffic speed on a city road</p> <ul style="list-style-type: none"> A Count the number of vehicles passing the location. B Ask drivers to estimate how fast they were travelling during C Survey nearby pedestrians about traffic conditions. D Measure vehicle speeds using radar at several times of day. 	<p>8</p> <p>What is the best way to collect this data?</p> <p>Goal: Average grocery spending per household</p> <ul style="list-style-type: none"> A Survey shoppers at a discount grocery store. B Ask shoppers to estimate their grocery spending for the past C Estimate spending from the number of grocery bags. D Collect grocery spending records from a representative sample of households.