



Statistics Data Organization - Study Description to Experiment or Observational Study

<p>1</p> <p>A company provides standing desks to one group of employees while another group keeps their existing desks, then compares reports of back pain.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>	<p>2</p> <p>Researchers randomly choose teenagers and compare the amount of screen time they report with the number of hours they sleep.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>
<p>3</p> <p>A doctor gives one group of patients a new medication and another group a placebo, then measures recovery times.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>	<p>4</p> <p>Scientists randomly choose weather stations across the province, measure daily temperatures, and compare them with electricity usage.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>
<p>5</p> <p>A survey randomly selects adults and asks how many hours they sleep each night and whether they exercise regularly.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>	<p>6</p> <p>Researchers have one group exercise three days per week and another group exercise five days per week, then compare improvements in fitness.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>
<p>7</p> <p>Meteorologists randomly select days throughout the year and compare daily rainfall with the number of traffic accidents.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>	<p>8</p> <p>Biologists randomly sample trees throughout a forest, measure their heights, and record the amount of sunlight each tree receives.</p>	<p>Is this study an experiment or an observational study?</p> <p>A Experiment</p> <p>B Observational study</p>