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| Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ | Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ |

AP Statistics: Experimental Design

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|  |  |  | 1  S |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | M |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | P |  |  |  |  |  |  |  |  |  | 2  M |  |  |  |  |  |  |  |  |  |  |  |  | 3  E |  |  |  |
|  |  |  | L |  | 4  D |  |  |  |  |  | 5  T |  | A |  |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |
|  |  |  | E |  | O |  |  |  | 6  S | T | R | A | T | I | F | I | E | D |  |  |  |  |  |  |  | P |  |  |  |
|  |  |  | R |  | U |  |  |  |  |  | E |  | C |  |  |  |  |  |  |  |  |  |  |  |  | L |  |  |  |
|  |  |  | A |  | B |  |  | 7  F |  |  | A |  | H |  |  |  | 8  C |  |  |  |  |  |  |  |  | A |  |  |  |
|  |  |  | N |  | L |  |  | A |  |  | T |  | E |  |  |  | O |  |  |  |  |  |  |  |  | N |  | 9  L |  |
|  |  |  | D |  | E |  |  | C |  |  | M |  | D |  |  | 10  U | N | D | E | R | 11  C | O | V | E | R | A | G | E |  |
|  |  |  | O |  | B |  |  | T |  |  | E |  | P |  |  |  | V |  |  |  | O |  |  |  |  | T |  | V |  |
|  |  |  | M |  | L |  | 12  V | O | L | U | N | T | A | R | Y | R | E | S | P | O | N | S | E |  |  | O |  | E |  |
|  |  |  | S |  | I |  |  | R |  |  | T |  | I |  |  |  | N |  |  |  | T |  |  |  |  | R |  | L |  |
|  |  |  | A |  | N |  |  | S |  |  | S |  | R |  |  | 13  B | I | A | S |  | R |  |  |  |  | Y |  | S |  |
|  |  |  | M |  | D |  |  |  |  |  |  |  | D |  |  |  | E |  |  |  | O |  |  |  |  | V |  |  |  |
|  |  |  | P |  | E |  |  |  | 14  N | O | N | R | E | S | P | O | N | S | E |  | L |  |  |  |  | A |  |  |  |
|  |  |  | L |  | X |  |  |  |  |  |  |  | S |  |  |  | C |  |  |  | G |  |  |  |  | R |  |  |  |
|  |  | 15  R | E | S | P | O | N | S | E | V | A | R | I | A | B | L | E |  |  |  | R |  |  |  |  | I |  |  |  |
|  |  |  |  |  | E |  |  |  |  |  |  |  | G |  |  |  |  |  |  |  | O |  |  |  |  | A |  |  |  |
|  |  |  |  |  | R |  |  | 16  R | E | S | P | O | N | S | E | B | I | A | S |  | U |  |  |  |  | B |  |  |  |
|  |  |  |  |  | I |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | P |  |  |  |  | L |  |  |  |
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|  |  | 17  O | B | S | E | R | V | A | T | I | O | N | A | L | S | T | U | D | Y |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  | N |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 18  S | Y | S | T | E | M | A | T | I | C |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **Across**  **6.** when you select some subjects from each subgroup  **10.** some groups of people are ignored  **12.** when subjects voluntarily choose to be in the sample (3 words)  **13.** when a study systematically favors one outcome over another  **14.** some subjects that are chosen do not answer (3 words)  **15.** y variable (2 words)  **16.** when subjects give incorrect answers because they forgot or are lying (2 words)  **17.** scientists only observe, no treatment is imposed (2 words)  **18.** choosing every nth person | **Down**  **1.** a type of sampling that gives every individual and every group of size n an equal chance of being chosen  **2.** a special case of block design in which each block consists of only 2 subjects (3 words)  **3.** x variable (2 words)  **4.** the subject nor the person handing out the treatments know if the subjects are getting the treatment or placebo  **5.** the combinations you will test  **7.** all the explanatory variables  **8.** when you select whoever you run into to be in the sample  **9.** the choices you have for each factor  **11.** used for comparison (can get no treatment or old treatment (2 words) |