



WESTSIDE HIGH SCHOOL

Level Up: *RISE* to Your Potential

24-25 Lesson Plan Template

Teacher: **COACH BARROW**

Subject: **ON RAMPS STATISTICS**

| Week of: AUGUST 26 | Monday | Tuesday | Wed./Thurs. | Friday |
|--|---|---|---|--|
| TEKS | UT ON RAMPS STATISTICS REQUIRED RSTUDIO CONTENT | UT ON RAMPS STATISTICS REQUIRED RSTUDIO CONTENT | <ul style="list-style-type: none"> DISTINGUISH BETWEEN SAMPLING ERROR AND BIAS GIVE EXAMPLES OF POTENTIAL SOURCES OF BIAS FROM BOTH REAL AND HYPOTHETICAL SAMPLING SITUATIONS | <ul style="list-style-type: none"> DETERMINE POTENTIAL LURKING/CONFOUNDING VARIABLES IN A STUDY EVALUATE THE PROS AND CONS OF DIFFERENT SAMPLING METHODS |
| Learning Objective | STUDENTS WILL BE ABLE TO USE RSTUDIO TO IMPORT DATA SETS, CREATE SUBSETS, AND CREATE VECTORS. | STUDENTS WILL BE ABLE TO USE RSTUDIO TO IMPORT DATA SETS, CREATE SUBSETS, AND CREATE VECTORS. | STUDENTS DEMONSTRATE LEARNING BY COMPLETING UT QUIZ 1. | STUDENTS WILL BE ABLE TO DEFINE AND CLASSIFY THREE SAMPLING TECHNIQUES. |
| Higher Order Thinking Questions | | | | COMPARE AND CONTRAST THE SAMPLING TECHNIQUES. |
| Agenda | 1. INTRO TO R | 1. INTRO TO R | 1. UT QUIZ 1 | 1. SAMPLING TYPES |

| | | | | |
|-------------------------------------|---|--|---|---|
| | <p>ACTIVITY.</p> <ol style="list-style-type: none"> 2. LAB 1.2 3. R DEBUG 1 4. R HOMEWORK 1 | <p>ACTIVITY.</p> <ol style="list-style-type: none"> 2. LAB 1.2 3. R DEBUG 1 4. R HOMEWORK 1 5. QUIZ REVIEW | <ol style="list-style-type: none"> 2. READ LESSON 1.3 (EXPERIMENTAL DESIGN) 3. LESSON CHECK 1.3 | ACTIVITY |
| Demonstration of Learning | COMPLETE R DEBUG 1 USING RSTUDIO "CODE". | COMPLETE R DEBUG 1 USING RSTUDIO "CODE". | UT QUIZ 1 | WHICH TYPE OF SAMPLING DO YOU THINK MOST ACCURATELY ESTIMATES THE TRUE MEAN RECTANGLE SIZE? |
| Intervention & Extension | <ul style="list-style-type: none"> ● STUDENTS WILL WORK IN GROUPS ● PEER TUTOR'S (EXPERTS IN RSTUDIO) | <ul style="list-style-type: none"> ● STUDENTS WILL WORK IN GROUPS ● PEER TUTOR'S (EXPERTS IN RSTUDIO) | | |
| Resources | R STUDIO QUICK NOTES POSIT CLOUD | R STUDIO QUICK NOTES POSIT CLOUD | | SAMPLING ACTIVITIES WORKSHEET |