Problem: What is the best detergent Purex, or Tide for removing stains and producing the cleanest and brightest laundry?

Hypothesis: Tide will be the best detergent for removing stains, and producing the brightest and cleanest laundry.

Materials:
- Kool-aid
- Coffee
- Ketchup
- Mustard
- 4 pre-washed cotton t-shirts
- Tide
- Purex
- Laundry machine
- Cardboard pieces
- Notebook and pen

Procedure:
1. Gather materials necessary to conduct the experiment.
2. Stain 4 t-shirts with 5ml of Kool-Aid, Ketchup, mustard, and coffee on the top half and bottom half of each shirt, marking where each stain is located.
3. To prevent stains from running together, place a piece of cardboard inside each shirt while stains dry for 24 hours.
4. Add 2 stained t-shirts to the washing machine and add 25ml of Tide detergent and wash on hot water setting.
5. Allow t-shirts to air dry for about 24 hours before determining level of stain removal.
6. Repeat steps 4-5 using 25 ml of Purex detergent.
7. Use the following scale to rate each stain for each specific detergent in science notebook:
   1=completely clean
   2=almost clean, barely see stain
   3=somewhat clean, stain faded but visible
   4=not clean, stain visible
8. Analyze results and plot data in EXCEL.