

Design of Experiment

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		Cold		Hot	
		5 min	10 min	5 min	10 min
No Bleach	No Soap	5	3	4	3
	Soap	5	2	3	2
Bleach	No Soap	3	2	2	1
	Soap	3	1	2	1

1=Best, 5=Worst

From this lab I learned that tables are useful for designing experiments that test every combination of variables. I also learned that grape juice stains on a shirt continue to set over years because the shirt had been stained a couple of years ago before the pandemic the stains are usually fully removed from this shirt in this lab but this time it was difficult to see much of a difference.

Example DOE table for cooking a pizza

		Pepperoni		BBQ Chicken	
		Sicilian	New York	Sicilian	New York
Oven	Mozzarella	1	2	3	4
	Provolone	5	6	7	8
Stovetop	Mozzarella	9	10	11	12
	Provolone	13	14	15	16