Legaspi, Rumil

STAT 521

Prof. Millie

10/6/20

LAB 3 Outputs

#1.

Listing of Salary increase with DO loops

Obs	Increase_rate	Salary	Year
1	0.03	$61,800.00	1
2	0.03	$63,654.00	2
3	0.03	$65,563.62	3
4	0.03	$67,530.53	4
5	0.03	$69,556.44	5

#2. It will take at least 18 years to reach a salary of $100,000 per year.

Listing of Salary Increase With at Least $100,000 Using DO UNTIL Loops

Obs	salary	year
1	102145.98	18

Listing of Salary Increase With at Least $100,000 Using DO WHILE Loops

Obs	salary	year
1	102145.98	18

#3. No. After using both DO UNTIL/WHILE Loops we see that the savings will only have accumulated a total of $102531.58 by age 18 and will require at least another 4 years to surpass or be at $120,000.

Listing of College Fund Savings From Birth to 18 Years Old using DO UNTIL Loops

Obs	interest_rate	savings	year
1	0.07	$8,560.00	2
2	0.07	$17,719.20	4
3	0.07	$27,519.54	6
4	0.07	$38,005.91	8
5	0.07	$49,226.33	10
6	0.07	$61,232.17	12
7	0.07	$74,078.42	14
8	0.07	$87,823.91	16
9	0.07	$102531.58	18

Listing of College Fund Savings From Birth to 18 Years Old using DO WHILE Loops

Obs	interest_rate	savings	year
1	0.07	$8,560.00	2
2	0.07	$17,719.20	4
3	0.07	$27,519.54	6
4	0.07	$38,005.91	8
5	0.07	$49,226.33	10
6	0.07	$61,232.17	12
7	0.07	$74,078.42	14
8	0.07	$87,823.91	16
9	0.07	$102531.58	18