MGMTMSA 408 – Operations Analytics

Homework 2 – Column / Constraint Generation and Assortment Optimization (Question Due May 6, 2024 (Section 2) / May 8, 2024 (Section 1) at 1:00pm PST

e: Please submit your Python o	code on Canvas in order to receive full credit.	
Learning Coffee P	references	
rt 1: Modeling preferen	ices through rankings	
rt 2: Choice probabiliti	es as a linear system of equations	

	rt 3:	Understandi	ng the data			
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b) [
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d) [
e) [
	rt 4:	Estimating t	he ranking-	based mode	el	
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rt 6: A colum	nn generation	approach	

d)	
e)	
f)	
Part	7: Understanding the column generation solution
a)	
b)	
c)	
d)	

2 Designing a Sushi Menu

Part 1: Understanding the data

a)	
b)	
D)	
c)	
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e)	
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e)	
Pa	rt 3: An integer optimization model
a)	ir o. mieger optimization moder
b)	
c)	
d)	
e)	