How to I effectively allocate our list of accounts among our territories to give us the best chance to meet our targets? **Optimizer Setup Steps** Work backward to work forward Step 1: What is the Objective? Step 1: -What is ultimately being minimized or maximized? Maximize overall chance to meet our targets. **Step 2: How will the Objective be obtained?** Step 2: Which variable can be changed in order to do so? Assign accounts to territories with greatest chance of closing the deal. -Find the "x" variable in ax+b=y Variable = Account Assignments Step 3: What is being multiplied by x? Step 3: -Identify the constant "a" "Greatest chance of closing the deal." **Step 4: What is constraining the x variable?** Constant = Territory's Compatibility with the Account -(i.e. capacity cannot be exceeded) -How does this translate formatically? Step 4: a. 1-to-1 Account-to-Territory relationship **Step 5: What inputs do we need to properly** b. Account must meet inflexible matching rules constrain and assign the variable values? c. Territories must hold a certain number of accounts -(i.e. production line capacity) Step 5: **Step 6: ADVANCED. Are any of these rules** -4.a: 1 flexible and how do we influence the assignment -4.b: Territory must be compatible (see Matching Rules below) of an account to one territory over another? -4.c: Minimum Account Threshold -Which rules must be met 100% (i.e. if not met, that account cannot be assigned to that territory) -Which rules can be used as a prioritization tool (i.e. a Matching Rule Input(s) Purpose match will make it more likely for that account to be 1. Currently Assigned Current Account Assignments continuity assigned to that territory vs a non-match, but a 2. Sub-Region non-match is still possible) Account Region, Territory Region proximity -How strongly do the flexible rules influence the 3. Industry Account Industry, Territory Industry expertise assignment? (i.e. is it more important for a territory to retain an account than to get accounts that match Step 6: their industry preference?) -Indicate which rules are flexible or inflexible -Assign the flexible rules a priority weighting - the higher the weighting, the stronger TIP: Always keep required dimensionality for each step and each line item in mind influence that rule will have on the resulting assigment **Setup the Problem** Select rules to be Inflexible 1. Currently Assigned Example: if Territory's sub-region does not match the Account's ~ 2. Sub-Region sub-region, the account will not be assigned to the territory Industry Assign Priority Weighting to Flexible Rules An account is more likely to be assigned to a territory if it is currently 1. Currently Assigned 60% assigned to that territory than if the territory's industry preferences 2. Sub-Region match the account's industry (preferences assigned below) 40% 3. Industry Score if Match Found Score if Mismatch 1. Currently Assigned 1.6 1. Currently Assigned 2. Sub-Region 2. Sub-Region 1.4 3. Industry 3. Industry Rule Inputs Compatibility Score Current Account Assignments 🗒 Territory 1 Territory 2 Territory 3 Territory 4 **Territory 5 Territory 6** Territory 2 Walmart Walmart 1.6 Amazon Territory 3 Amazon 1.6 Exxon Mobil Exxon Mobil Territory 1 1.6 Territory 5 Apple Apple 1.6 CVS Health Territory 5 CVS Health 1.6 Account Sub-Region III Territory Sub-Region III Territory 1 Territory 2 Territory 3 **Territory 4** Territory 5 √Walmart Sub-Region 2 Territory 1 Sub-Region 1 Walmart 0 0 0 Amazon Sub-Region 2 Territory 2 Sub-Region 1 Amazon 0 0 0 Territory 3 Exxon Mobil Sub-Region 1 Sub-Region 2 Exxon Mobi 0 0 0 Apple Sub-Region 2 Territory 4 Sub-Region 1 Apple 0 0 0 CVS Health Sub-Region 2 Territory 5 Sub-Region 2 CVS Health 0 0 0 Territory 6 Sub-Region 2 Any Territories assigned a zero will not be assigned that Account (see Final Compatibility Socre calc below) Account Industry 🖫 **Territory 5** Territory 1 Territory 2 Territory 3 Territory 4 Territory 6 Walmart 1.4 1.4 √Walmart Consumer 1 1.4 Amazon 1 1.4 1 Amazon Consumer Exxon Mobil 1.4 1.4 1.4 1 1.4 1.4 Exxon Mobil Energy Apple 1.4 1.4 Apple Consumer CVS Health 1.4 CVS Health Healthcare **Territory Industry Preference** Territory 1 **Territory 2** Territory 3 Territory 4 **Territory 5** Territory 6 Consumer Energy 15% 36% 50% 10% Finance 13% 29% 33% Healthcare 25% -Technology 17% Telecom 13% 15% 17% 100% All Industries 100% 100% 100% 100% 100% **Account Industry Preferred by Territory** Territory 5 **Territory 1** Territory 2 Territory 3 **Territory 4 Territory 6** -Walmart 0 0 0 Amazon 0 0 0 0 Exxon Mobil 0 Apple 0 0 1 0 0 CVS Health 0 Compatibility Score Enhance Results by Ranking Industry Preference Territory Preference Rank 🔣 Territory Preference Score 🖫 **Territory 3** Territory 4 Territory 1 Territory 2 **Territory 4 Territory 5 Territory 6** Territory 1 Territory 2 Territory 3 Territory 5 Territory 6 NaN NaN NaN Consumer 1.833 Consumer NaN Energy 1.833 NaN 5 1.667 2 Energy 4 3 2 1.5 1.3\$3 Finance Finance NaN NaN NaN 1.833 2 NaN 2 1 NaN Healthcare 3 4 NaN Healthcare 1.667 2 1.833 1.5 1 Technology NaN 2 NaN NaN NaN Technology 2 1.833 Telecom 4 2 NaN Telecom 1.5 1.833 1.667 1.333 Calculate Final Compatibility Score **Current Assignment Score** x Sub-Region Score x Industry Score x Industry Preference Rank = Final Compatibility Score Territory 2 Territory 6 Territory 1 Territory 3 **Territory 4** Territory 5 11.7 Walmart 0.0 0.0 13.1 0.0 8.5 Amazon 0.0 0.0 20.9 0.0 8.5 11.7 Exxon Mobil 20.2 11.4 0.0 11.0 0.0 0.0 Apple 13.1 0.0 11.7 0.0 0.0 13.6 19.0 CVS Health 0.0 0.0 13.1 0.0 8.3 Calculate Absolute Compatibility Final Compatibility Score > 0 Absolute Compatibility 🖫 **Territory 6** Territory 1 Territory 2 Territory 3 Territory 4 Territory 5 Walmart 0 0 -Amazon 0 0 0 1 Exxon Mobil 1 1 0 0 0 Apple 0 0 0 1 1 CVS Health 0 0 0 Constrain the Problem (refer to Step 4) 4.a. 1-to-1 Account-to-Territory Assignment 4.b. Territory must be compatible 4.c. Minimum Account Threshold must be met No Data None CONSTRAINTS **Boolean** Account Reassignment = 1 Account Reassignments = 1 ΑII Account Reassignment <= Compatibility **Boolean** Account Reassignments <= Absolute Compatibility ΑII Account, Territory Min Accounts Threshold **Boolean** Account Reassignments >= Min Accounts per Territory ΑII Territory Min Accounts per Territory **Optimize the Allocation of Accounts** T5.3 Optimize Account Allocation **FINAL RESULTS** Walmart Territory 3 **0** × Amazon Territory 3 **Process**

Exxon Mobil

CVS Health

OBJECTIVE

Compatibility Score

Final

594.7

Apple

T5.3 Optimize Account Allocation:

• T5.3 T&Q Allocation and Scoring feat. Jess B.

Run

Cancel

Territory 1

Territory 5

Territory 5

T&Q Allocation Optimization with Scoring