C1-1.82(220-148) + G2-1-87(150-148) + (3-1.8) C(180-148) + C1-1.8) C130-148) + C2-1.8) C160-148)

> C 1-1.8)2 + C2-1.8)2 + C3-1.8)24 (1-1.8)2 4 (5-118)30 01 = ander 18183

122.86-198 - 25.19 $\beta_1 = \frac{17.6}{0.56} = 31.43.$

B. = y-Bx = 148-(81.43)C1.8) = 91.43

4 = 91.43+31.43x.

Baseline (meanory) 2148.

Final Predictions & SHAP values.

actual predicty

9
120
91.43+31.43×1=122.86 X

2 150 91.43+ 31.43×2 2 154.29 000 4

180 91.43 + 31.43 x 3 185.410.

trom baseling

180 3

1 130 08 91 43 + 81 43× 1 15 122 - 86 Beco 91.43 + 31.43x2 2 (54.291) 2 160 (2-1.x) C.160 -148) Baschme & SHAP Producted. + "68-1-50 + "(8-1-1) SHAP value a Prodicted & Baseline · 122.86 - LA8 = -23.14 131 = 17.6 31.43. EA-18 = (8-15(3) 154:29 -148 = 6-29 × 19 - 19 = -81 2 185.70 - 1488 3 37,72 2 31/22 . (86-148=-25.14 2011 154 .29 - 148 2 6.29. actual producty SHAP introprotation. & X Record Ad & A (x = 1) = -25.14 Fewer Posts & prediction pulled down From baseline

m

Re

Record 2 & 5 Cx = 2): SHAP. + 6.29.

moderate increase from baseline.

Record 3 (x = 3) SHAP: +37.71 -> more

posts strong increase from baseline

Prediction is actual analysis adual y predict y error underfover 122.86 2.86 OXET 120 4.29 over 150 154.29 5.71 over 185.71 180 -7.14 under 122-86 130 under -5.71 160 154.29

Slope = +31 -43

1 -> post = 31.43 bottles con average).

prediction error is low.