Programmatic Media Analyst Assignment

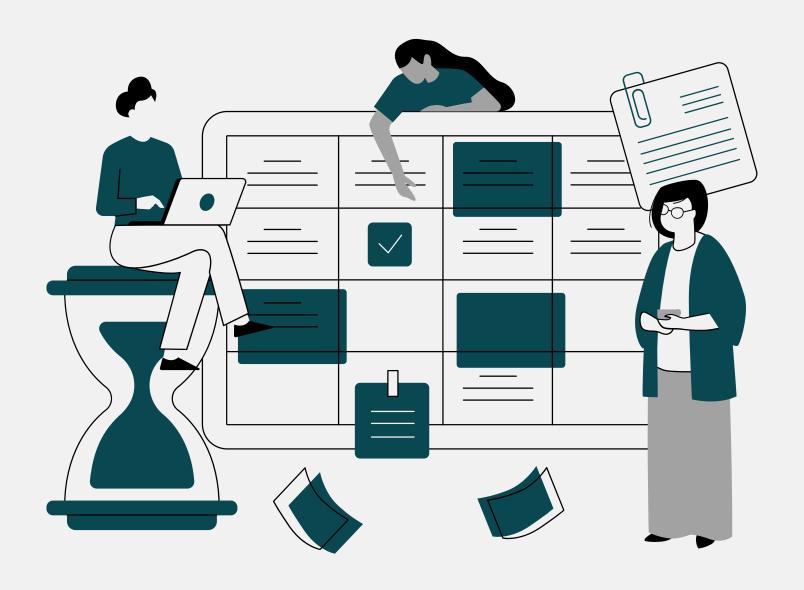
Report for **StackAdapt**

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Matters on the Docket

A brief look at what we will discuss on this assignment



O1 Overview of Advertiser: Chill Burger
O2 Overview of Advertiser: Newly Balanced
O3 Dataset Questions
O4 Questions

Overview: Chill Burger



Cost Per Click (CPC) - \$2.72

CPC is the amount you pay for each click on one of your pay-per-click (PPC) ads in platforms. The overall CPC is very high. The Industry Benchmark given was \$1.00 - \$1.20

Cost Per Mille (CPM) - \$6.41

CPM is a marketing term used to denote the price of 1000 advertisement impressions on one web page.

Cost-Through Rate (CTR) - 0.24%

CTR is a metric that measures the number of clicks advertisers receive on their ads per number of impressions. The KPI given was 0.35%.

Descriptive Statistics

Insights

- Tons of outliers for all parameters
- Spend and Impressions are likely to between left or right skew. Not a normal distribution.
- High STD for impressions, video_started,
 video_completed_x because high range interval
- Overall, all the means is unlikely to be accurate of the population.

Chill Burger - Dataset

	spend	impressions	clicks	engagements	total_time_on_site	1s_time_on_site	conversions
count	5067.00	5067.00	5067.00	5067.00	5067.00	5067.00	5067.0
mean	18.58	2897.53	6.83	0.77	109.00	2.84	0.0
std	51.79	10202.04	25.88	4.65	720.26	16.57	0.0
min	0.00	0.00	0.00	0.00	0.00	0.00	0.0
25%	0.28	30.00	0.00	0.00	0.00	0.00	0.0
50%	2.28	262.00	0.00	0.00	0.00	0.00	0.0
75%	14.22	1253.00	3.00	0.00	0.00	0.00	0.0
max	752.27	167632.00	402.00	97.00	18361.00	289.00	0.0

Descriptive Statistics

Insights

- Tons of outliers for all parameters
- Spend and Impressions are likely to between left or right skew. Not a normal distribution.
- High STD for impressions, video_started,
 video_completed_x because high range interval
- Overall, all the means is unlikely to be accurate of the population.

Chill Burger - Dataset

	spend	impressions	video_started	video_completed_25	video_completed_50	video_completed_75	video_completed
count	2194.00	2194.00	2194.00	2194.00	2194.00	2194.00	2194.00
mean	15.62	696.87	667.21	595.45	541.15	502.08	466.90
std	55.35	1300.05	1282.24	1245.28	1222.39	1203.77	1178.77
min	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25%	0.52	24.00	22.00	18.00	17.00	16.00	15.00
50%	3.96	250.50	230.00	194.00	158.00	146.00	134.00
75%	14.05	962.00	905.75	749.75	645.00	569.00	495.75
max	628.85	13380.00	13277.00	13133.00	13007.00	12891.00	12804.00

Overview:

Newly Balanced



Cost Per Click (CPC) - \$1.72

CPC is the amount you pay for each click on one of your pay-per-click (PPC) ads in platforms. The overall CPC is high. The Industry Benchmark given was \$1.00 - \$1.20

Cost Per Mille (CPM) - \$2.28

CPM is a marketing term used to denote the price of 1000 advertisement impressions on one web page.

Cost-Through Rate (CTR) - 0.13%

CTR is a metric that measures the number of clicks advertisers receive on their ads per number of impressions. The KPI given was 0.35%.

Descriptive Statistics

Insights

- Tons of outliers for all parameters
- Spend and Impressions are likely to between left or right skew. Not a normal distribution.
- High STD for impressions because high range interval
- Newly Balanced did not run any video ads

Newly Balanced- Dataset

	spend	impressions	clicks	engagements	total_time_on_site	1s_time_on_site	conversions
count	39654.00	39654.00	39654.00	39654.00	39654.00	39654.00	39654.00
mean	0.34	149.18	0.20	0.04	9.70	0.12	0.01
std	1.91	694.26	1.15	0.28	148.97	0.73	0.07
min	0.00	0.00	0.00	0.00	0.00	0.00	0.00
25%	0.01	6.00	0.00	0.00	0.00	0.00	0.00
50%	0.05	21.00	0.00	0.00	0.00	0.00	0.00
75%	0.18	87.00	0.00	0.00	0.00	0.00	0.00
max	91.76	34223.00	56.00	10.00	7239.00	25.00	2.00

Analyze age categories for "Newly Balanced" Display campaigns. Indicate the best performers and provide insights based on your findings.

TP Link

- The Best Performers are Be Bold- Women and The Sacrifice- Teens Campaigns
- High average CPC. Need focus targeting
- Women demographic seems to the primary target demographic

Newly Balanced Display Campaigns				o Age	•	(AII)	•		
Campaign Name	Spend	Impressions	Clicks	Engageme	Avg. 1S Time On Site	Avg. Total Time On Site	CPC	CPM	CTR
Be Bold- Women	\$2,290	1,512,003	1,485	269	0	20	\$1.54	\$1.51	0.10%
The Sacrifice- Women	\$2,703	1,198,333	1,425	271	0	29	\$1.90	\$2.26	0.12%
Be Bold- Men- RT	\$3,143	487,971	1,371	325	0	31	\$2.29	\$6.44	0.28%
The Sacrifice-Teens	\$1,149	419,628	659	130	0	22	\$1.74	\$2.74	0.16%

Using the "Newly Balanced" dataset, analyze overall Native campaign performance and indicate the top performing theme.

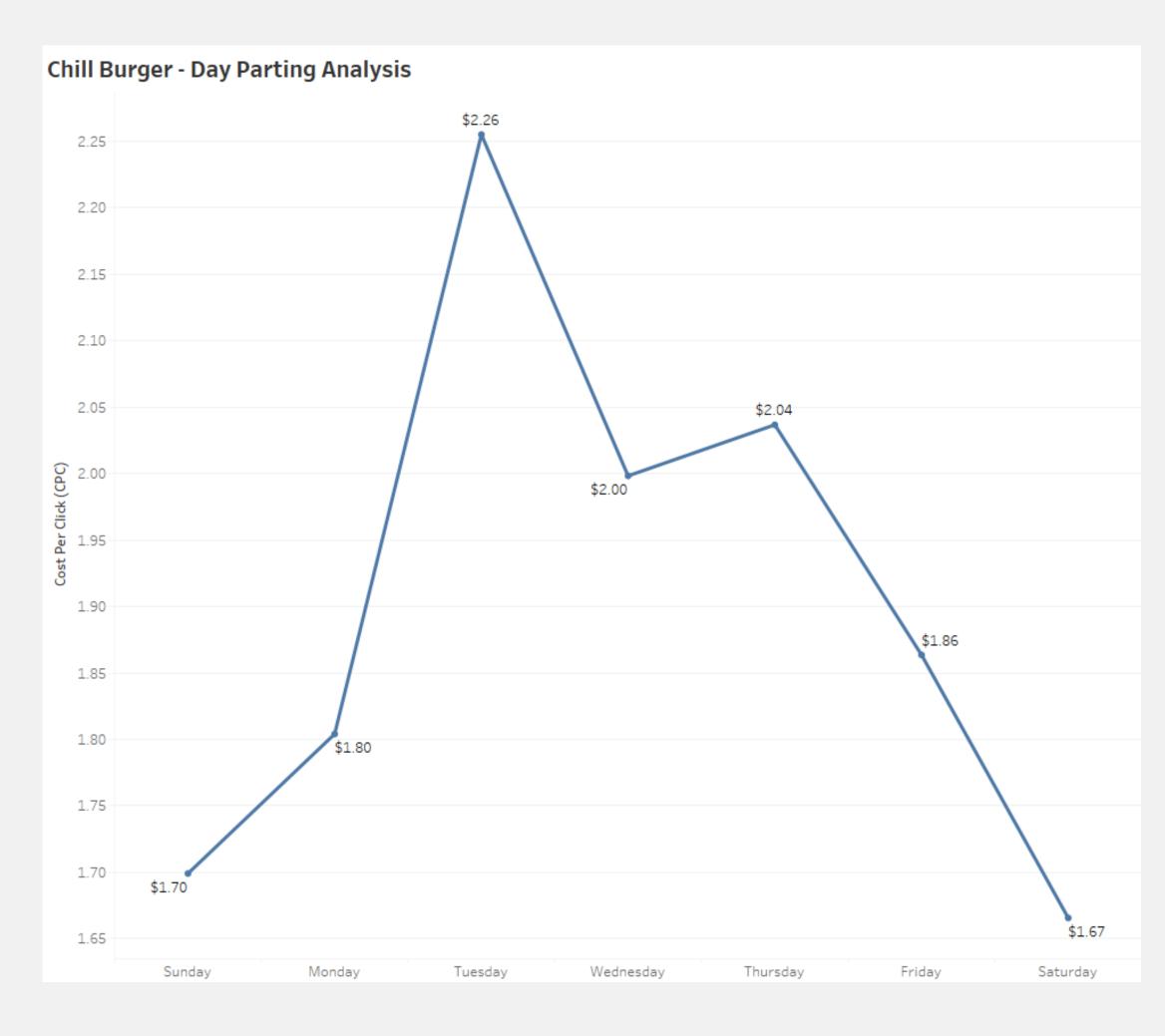
- The top performing theme is under the Be Bold- Teens campaign: Be Bold, Be You.
- Native has better average CPC than the Display Counterparts
- Native campaign seem to work better on Teen demographic.

Newly Balance	d Native	Campaig	ns								
					ı	Avg. 1S Time	Avg. Total				
Campaign Name	Spend	Impressions	Clicks	Engageme	Conversions	On Site	Time On Site	CPC	CPM	CTR	CR
Be Bold- Teens	\$1,215.87	936,008	990	124	11	0	3	\$1.23	\$1.30	0.11%	1.11%
It's A Lifestyle- Men	\$852.12	599,871	505	78	5	0	4	\$1.69	\$1.42	0.08%	0.99%
The Sacrifice- Men	\$1,397.29	474,023	940	143	10	0	3	\$1.49	\$2.95	0.20%	1.06%
It's A Lifestyle- Women	\$492.30	168,057	339	47	0	0	4	\$1.45	\$2.93	0.20%	0.00%
It's A Lifestyle- Teens	\$105.67	72,182	67	13	1	0	1	\$1.58	\$1.46	0.09%	1.49%
It's A Lifestyle- Generic	\$137.97	47,701	73	13	0	0	0	\$1.89	\$2.89	0.15%	0.00%

Using the "Chill Burger" dataset, conduct a day parting analysis and indicate what day of the week performed best for Native campaigns. Provide recommendations to improve the performance of this advertiser.

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- Saturday is the best day of the week for Native Campaigns.
- Saturday, Sunday, and Monday is the best days for targeting.
- Reduce targeting on Tuesday.



Analyze the different device types and indicate the best performers using "Chill Burger" Display campaign data.

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- The Best Overall Performer is the Prospecting Ontario campaign
- Prospecting BC/AB both has lower CPC and CPM compared to the rest.
- In-App seems to perform well for Chill Burger

Chill Burger Campaig	n - Dovico	Typo Analysis	Dev	ice Type							
Chili Burger Campaig	Jii - Device	Type Allalysis	(Al	II)	▼						
					Avg. 1S Time Av	g. Total Time				Initial	Completed
Campaign Name	Spend	Impressions	Clicks	Conversions	On Site	On Site	CPC	CPM	CTR	Retention Rate	Rate
Prospecting - Ontario	\$16,303.74	3,513,609	9,714	0	25	895	\$1.68	\$4.64	0.28%	0.00%	0.00%
Prospecting - BC	\$5,920.27	1,187,385	3,687	0	10	373	\$1.61	\$4.99	0.31%	0.00%	0.00%
Prospecting - Alberta	\$5,600.09	1,128,232	3,640	0	12	476	\$1.54	\$4.96	0.32%	0.00%	0.00%
Prospecting - Quebec (French)	\$9,271.65	1,372,249	2,772	0	0	0	\$3.34	\$6.76	0.20%	0.00%	0.00%
Prospecting - Video (English)	\$14,800.30	994,365	2,299	0	0	0	\$6.44	\$14.88	0.23%	95.38%	60.28%
Prospecting - Quebec (English)	\$1,448.77	284,232	1,261	0	3	76	\$1.15	\$5.10	0.44%	0.00%	0.00%
Prospecting - Video (French)	\$4,024.50	278,792	823	0	0	0	\$4.89	\$14.44	0.30%	90.63%	49.14%
Retargeting - Quebec (French)	\$7,993.49	1,251,204	2,261	0	1	38	\$3.54	\$6.39	0.18%	0.00%	0.00%
Prospecting - CTV (English)	\$16,941.44	358,235	55	0	0	0	\$308.03	\$47.29	0.02%	99.29%	95.10%
Retargeting - Ontario	\$15,514.84	2,483,200	4,124	0	2	157	\$3.76	\$6.25	0.17%	0.00%	0.00%
Retargeting - BC	\$5,929.38	976,980	1,860	0	1	46	\$3.19	\$6.07	0.19%	0.00%	0.00%
Retargeting - Alberta	\$5,574.76	954,273	1,552	0	1	47	\$3.59	\$5.84	0.16%	0.00%	0.00%
Retargeting - Quebec (English)	\$1,389.26	247,956	557	0	0	8	\$2.49	\$5.60	0.22%	0.00%	0.00%

How can you improve performance for Video campaigns for "Chill Burger"?

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NEW - Crunchy Chicken Example

- In general, In-App seems to be high performer for CTR. Its best focus targeting In-App.
- QB is the best performing province but has the lowest budget. We should increase targeting to the province of QB.

NEW - C	runchy(Chicken								
Campaign Name	Creative Name	Province	Device Type	Spend	Impressions	CPC	CPM	CTR	Initial Retention	Completed Rate
Prospecting -	NEW -	AB	Desktop	\$853.02	55,593	\$9.58	\$15.34	0.16%	97.16%	71.80%
Video	Crunchy		In-App	\$104.04	8,619	\$1.60	\$12.07	0.75%	95.19%	48.73%
(English)	Chicken		Mobile (Web)	\$519.87	34,789	\$6.66	\$14.94	0.22%	95.92%	59.63%
		BC	Desktop	\$1,216.84	79,174	\$9.66	\$15.37	0.16%	97.37%	70.95%
			In-App	\$109.79	8,809	\$1.29	\$12.46	0.96%	94.22%	52.05%
			Mobile (Web)	\$643.20	42,945	\$6.56	\$14.98	0.23%	95.78%	58.75%
		ON	Desktop	\$916.35	60,249	\$8.98	\$15.21	0.17%	95.76%	62.94%
			In-App	\$158.81	12,753	\$1.23	\$12.45	1.01%	94.24%	52.26%
			Mobile (Web)	\$497.06	33,868	\$5.52	\$14.68	0.27%	90.88%	51.36%
		QC	Desktop	\$283.68	18,595	\$6.75	\$15.26	0.23%	95.11%	55.40%
			In-App	\$29.24	2,236	\$1.04	\$13.08	1.25%	93.47%	62.61%
			Mobile (Web)	\$151.19	10,108	\$3.15	\$14.96	0.47%	90.16%	47.17%

How can you improve CPC for Native campaigns based on the industry benchmarks provided?

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Chill Burger's Prospecting - Ontario Example

- Ways to Make it a Combo landing page is the more efficient landing page.
- Increase targeting for chain groupings in blue to reduce overall CPC
- The Ice Cream Treat creative name is a very expensive.

Native Campaigns - CP	vative	cam	paigns	- CI	ノし
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Advertiser	Campaign Name	Spend	Impressions	Clicks	Engagements	Conversions	CPC	CPM	CTR	CPA	CR
Chill Burger	Prospecting - Alberta	\$5,600.09	1,128,232	3,640	721	0	\$1.54	\$4.96	0.32%		0.00%
	Prospecting - BC	\$5,920.27	1,187,385	3,687	699	0	\$1.61	\$4.99	0.31%		0.00%
	Prospecting - Ontario	\$16,303.74	3,513,609	9,714	1,766	0	\$1.68	\$4.64	0.28%		0.00%
	Prospecting - Quebec (Eng	\$1,448.77	284,232	1,261	156	0	\$1.15	\$5.10	0.44%		0.00%
	Prospecting - Quebec (Fre	\$9,271.65	1,372,249	2,772	0	0	\$3.34	\$6.76	0.20%		0.00%
	Prospecting - Video (Frenc	\$1,485.43	102,458	346	0	0	\$4.29	\$14.50	0.34%		0.00%
Newly	Athleisure for Men	\$0.00	0	0	0	2				\$0.00	
Balanced	Athleisure for Women	\$0.00	0	0	0	6				\$0.00	
	Be Bold-Teens	\$1,215.87	936,008	990	124	37	\$1.23	\$1.30	0.11%	\$32.86	3.74%
	lt's A Lifestyle- Generic	\$137.97	47,701	73	13	0	\$1.89	\$2.89	0.15%		0.00%
	lt's A Lifestyle- Men	\$852.12	599,871	505	78	8	\$1.69	\$1.42	0.08%	\$106.52	1.58%
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	lt's A Lifestyle- Women	\$492.30	168,057	339	47	5	\$1.45	\$2.93	0.20%	\$98.46	1.47%
	The Sacrifice- Men	\$1,397.29	474,023	940	143	26	\$1.49	\$2.95	0.20%	\$53.74	2.77%
	WFH Edition- Men	\$0.00	0	0	0	7				\$0.00	

Discuss the conversion performance for "Newly Balanced"

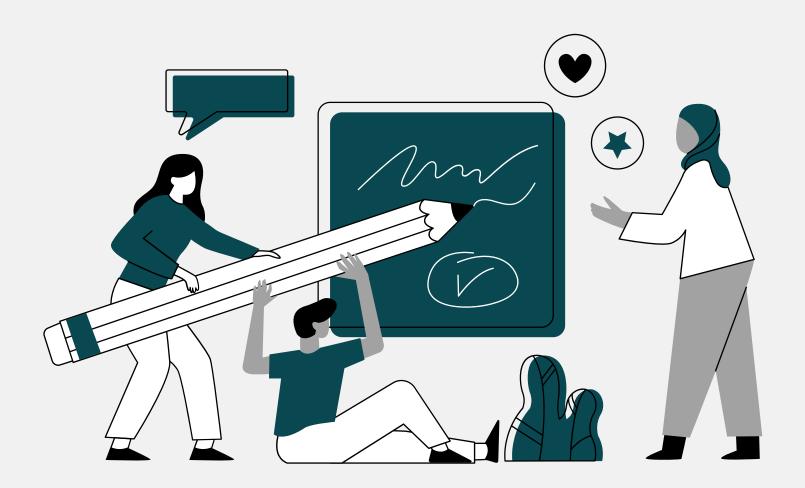
TP Link

Based on the KPI given for the CTR, its unlikely that we get a high conversion rate. Majority of the conversions are from the Ontario province and gained by the `Be Bold` group campaigns. The most conversions are from `In-app` device type.

Newly B	alanced	Conversion	s									
Campaign N.	. Province	Device Type	Spend	Impressions	Clicks	Engagements	Conversions	CPC	CPM	CTR	CR	CPA
Be Bold-	ON	Desktop	\$264.71	41,228	26	6	5	\$10.18	\$6.42	0.06%	19.23%	\$52.94
Men-RT		In-App	\$2,563.34	397,987	1,287	308	9	\$1.99	\$6.44	0.32%	0.70%	\$284.82
		Mobile (Web)	\$314.59	48,756	58	11	1	\$5.42	\$6.45	0.12%	1.72%	\$314.59

Do you have any questions?

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