

Bl Infrastructure – Assessment & development

Ed-Tech service provider

- Assessed the existing reporting suite for gaps in KPIs, designed the future state and proposed the comprehensive roadmap to augment the reporting suite
- Implemented the KPIs and developed the reporting suite with focus on digital media ROI, and customer conversion for different professional courses

Ed-Tech service provider needs to assess KPIs and design a comprehensive reporting suite

Picture this...

You're looking to design and develop a comprehensive reporting suite by streamlining, standardizing and augmenting the reporting infrastructure. Currently, you have no visibility into performance of key products and websites across the learning management platforms due to data gaps of acquired entities, and non-optimal design of the reporting suite. Additionally, key KPIs are scattered across views in DOMO resulting in low utilization of existing reports.

You turn to Accordion.

We partner with your team to assess the existing reporting suite for gaps in KPIs, design the future state and proposed the comprehensive roadmap to augment the reporting suite, implement the KPIs and develop the reporting suite with focus on digital media ROI, and customer conversion for different professional courses, including:

- 1) Consolidating data sources pertaining to CRM, digital marketing, website analytics and sales into DOMO, developing a robust data model to support real-time reporting for key metrics focused on customer conversion, website analytics and digital media spend
- 2) Designing and developing dashboards to provide visibility into customer conversion across product lines, brands, courses, websites and other digital marketing initiatives
- 3) Implementing an automated distribution system of monthly and weekly flash reports for executive leadership and functional leaders to ensure targeted monitoring of key KPIs across the organization and departments

Your value is enhanced.

- You have enhanced decision-making processes with accurate data to support the strategy on website revamp across products targeted at increasing customer acquisition and subscription upgrades for existing learners
- The dashboards provide you visibility into ROI across social media channels, identifying a cost saving opportunity of ~\$2M on channel spending
- You have automated BI solution by eliminating data inconsistencies and optimizing the performance of the dashboards, bringing
 ~10% cost reduction on reporting suite software
- You have automated report distribution to target groups and streamline data processes that resulted in optimized DOMO usage costs and saved ~60 FTE-hours/month in report preparation

KEY RESULT

- Cost saving opportunity of ~\$2M
- ~10% cost reduction on reporting suite software
- ~60 FTE-hours/month saved

VALUE LEVERS PULLED

- Enterprise KPI gap assessment
- Reporting suite design and build
- Automated executive and leadership facing flash reports

Assessment and reporting suite build for ED-Tech service provider

Situation

- Client lacked visibility into performance of key products and websites across their Learning management platforms due to data gaps of acquired entities, and non-optimal design of the reporting suite. Additionally, key KPIs were scattered across views in Domo resulting in low utilization of existing reports
- Partnered with the client to design and develop a comprehensive reporting suite by streamlining, standardizing and augmenting the reporting infrastructure

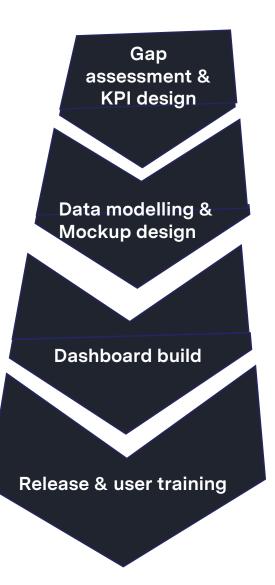
Accordion Value Add

- Consolidated data sources pertaining to CRM, digital marketing, website analytics and sales into Domo, developing a robust data model to support real-time reporting for key metrics focused on customer conversion, website analytics and digital media spend
- Designed and developed dashboards to provide visibility into customer conversion across product lines, brands, courses, websites and other digital marketing initiatives
- Implemented an automated distribution system of monthly and weekly flash reports for Executive leadership and functional leaders to ensure targeted monitoring of key KPIs across the organization and departments

Impact

- The reporting suite enabled enhanced decision-making processes with accurate data to support the strategy on website revamp across products targeted at increasing customer acquisition and subscription upgrades for existing learners
- The dashboards provided visibility into ROI across social media channels, identifying a cost saving opportunity of ~\$2M on channel spending
- The automated BI solution eliminated data inconsistencies and thus optimized the performance of the dashboards, bringing ~10% cost reduction on reporting suite software
- Automated report distribution to target groups and streamlined data processes has optimized Domo usage costs and saved ~60 FTE-hours/month in report preparation

Methodology



- Documented gaps and opportunities in Data Sources, Workflows and KPIs to finalize the KPI Metrics
 Matrix that maps systems to KPIs, along with the feasibility analysis, complexity and priority of deriving a
 KPI across different dimensions
- Enhanced the existing ETL processes by incorporating best data modelling practices, error handling mechanisms and other transformations.
- Developed mockup as a visual prototype to showcase the structure and layout of the dashboards, covering comprehensive views across key dimensions for critical KPIs
- Developed the dashboards to enable comprehensive strategic and operational overview of the business
- Included capabilities to monitor monthly and weekly trends to support business decision-making process

- Set up automated reports to be received via e-mail for user groups, with targeted dashboard rollouts based on department and role
- Enhanced the data awareness and educated the leadership group with user guidelines and demonstrations of the dashboards

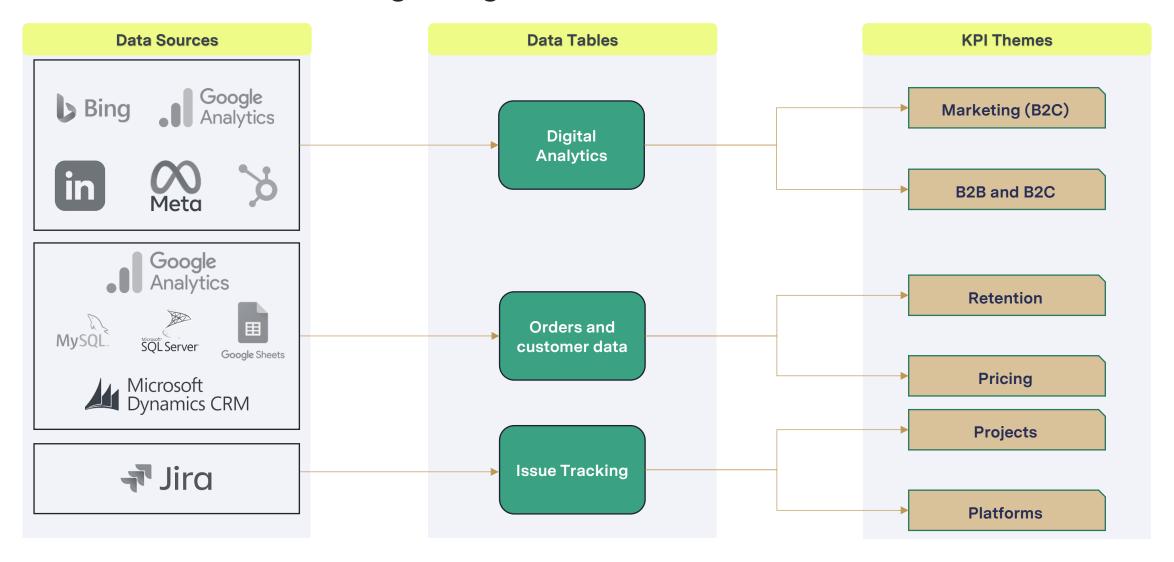
KPI metrics matrix

KPISun	nmary Worksheet													
•		Primary Domo Source table	Calculation	By Salesperson	By Device Type (Mobile, Desktop, etc.)	New/Returni ng Customer	By State / Geography	By Campaign (Unique Campaign ID)	Campaig n Type (TBD)	By Brand	By Source (Google, Meta, LinkedIn etc.)	By Channel (Social, Paid Search, Organic Search, Referral Affiliate)	By Customer Segment	
	Marketing (B2C)													
	& Opportunity Metrics Emails sent	P				D 0	A	I A	A	I A	A	A	Infeasible	-
	Open rate	P	Sum (emails sent to unique email addresses) # of opens / # of emails sent	_		D	A	A	A	A	A	A	Infeasible	<u> </u>
2.02		P	# of clicks / # of emails sent	_		D	Ä	A	A	A	A	A	Infeasible	_
2.04	Delivered rate	P	of emails delivered / = of emails sent			D	Ä	A	A	A	A	A	Infeasible	
		P	# of emails bounced / # of emails sent			D	A	A	A	A	A	A	Infeasible	_
	Unsubscribed rate	P	of unsubscriptions / of emails sent.			D	A	A	A	A	A	A	Infeasible	
2.00			- or or transporting control of a contract party.											
2.07	of impressions	A	Sum (total number of views content receives)			D	A	A	A	A	A	A		
2.08	of engagements	Р	Total number of reactions, comments, and shares that content receives			Infeasible	Infeasible	A	А	A	A	A		
2.09	Click-through rate	А	# of clicks / # of impressions			D	A	A	A	A	A	A		
2.10	Cost per mille (CPM)	D	Total ad spend \$ / * of impressions * 1000			D	A	A	А	A	A	A		
2.11	Cost per click (CPC)	A	Total cost / # of clicks			D	A	A	A	A	A	A		-
2.12	Cost per acquisition (CPA)	A	Cost / Total Transactions			D	A	A	A	A	A	A		-
	letrics													
2.13	Search visibility	NA NA								*				
2.14	Keyword rankings	NA NA								×				
	Organic impressions	P			A	Infeasible	Infeasible			A				
	Crawled pages	NA NA								×				
2.17	Domain authority	NA NA								×				
	W													
2.18	S Total website visits A		Sum (website visits)		A	A	A	A	А	A		А		
2.19	# of bounces	A	Sum (# of bounces)		A	А	A	А	А	A		A		\vdash
2.20	Bounce rate	A	# of bounces / # of vebsite visits		A	A	A	A	A	A		A		-
2.21	Total qualified website visits	A	# of vebsite visits - # of bounces		A	A	A	A	A	A		A		-
2.22	Page views	A	Sum (# of page views)		A	A	A	A	A	A		A		+-
2.23	Time spent on page	×	Sum (Minutes spent on page)		×	×	×	×	×	×		×		_
2.24	Time spent on site	A	Sally lines spendings		A	A	A	A	A	A		A		+-
2.25	# of abandonments	D	Sum (# of abandonments) = # sessions user adds to		A	A	A	A	A	A		A		_
2.26	Abandonment rate	D	cart - # sessions user makes a purchase	_	A	A	A	A	A	A		A		+-
	Browse rate	D	of abandonments / * of total qualified website of browses / * of total qualified website visits	_	A	A	A	A	A	A		A		_
2.28	Purchases	A	of browses r * of total qualified website visits of unique revenue-producing transactions		A	A	A	A	A	A		A		+-
2.29	Purchase conversion rate	D	■ of unique revenue-producing transactions / ■ of		A	A	A	A	A	A		A		$\overline{}$
2.30	Lead conversion	D	qualified website sessions # of actions / # of website visitors		A	A	A	A	A	A		A		
2.31	B2C Metrics	NA.	Develope and article and bandoning and							-				_
	Return on advertising spend (R		Revenue - marketing cost / marketing cost Revenue from ads / cost of ads * 100		A	A	A	A	A	Ä	Α	A	×	_

Summary of the feasibility of deriving a metric across multiple dimensions and gap assessment against existing sources

A	Available in DOMO data tables/dashboard directly
D	Not available in the dashboard but derivable from source
Р	One or more dimensions not available
X	Not available at all
Infeasible	Cannot be derived due to API/ Source data limitations
NA	Not Applicable

Current state data lineage diagram



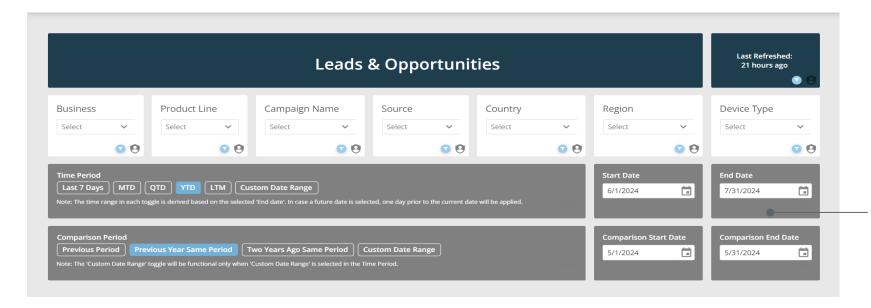
KPI availability summary

Availability by key dimensions (Current State)										
Category	Desired KPIs	Fully Available ¹	Partially Available ²	Derivable ³						
Category 1	26	11	9	6						
Category 2	3	1	1	1						
Category 3	12	3	4	5						
Category 4	8	5	2	1						
Category 5	6	2	3	1						
Category 6	15	3	10	2						
Total	70	25	29	16						

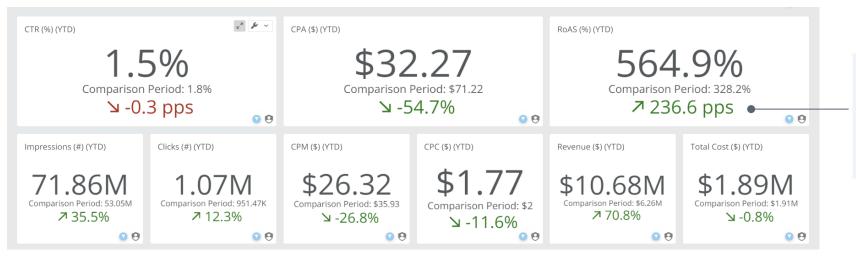
Notes:

- Fully available KPIs are available in the reporting suite across all the relevant dimensions
 Partially available KPIs have data available for some of the required dimensions
- 3. Derivable KPIs indicate that the dataflows in the reporting suite are linked to the necessary fields and these KPIs can be built/derived with the existing data

Digital marketing KPI's (1/2)



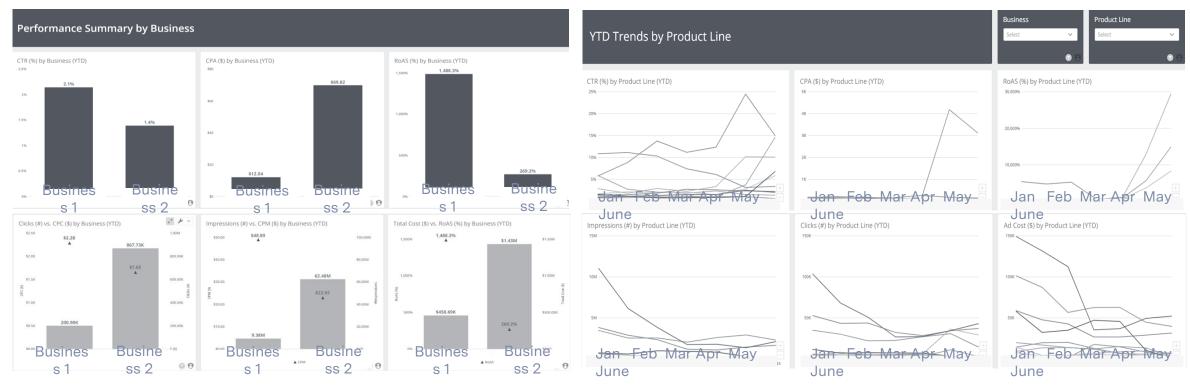
Time period toggles to help the user visualize data for different periods & compare against prior year



Comprehensive visibility into digital marketing conversion, ad spend and ROI across channels



Digital marketing KPI's (2/2)



Campaign Summary

Campaign name	Business	Source	3↑2↓ Click	Impressions	Conversions	Cost	Cost Per Click (CPC)	Cost Per Mille (CPM)	Click Through Rate (CTR)	Cost Per Aqcuisition (CPA) 1	↓ RoAS (%)
Campaign 1	Business 1	Google	8,14	137,369	7,920	\$1,119.90	\$0.14	\$8.15	5.9%	\$0.14	99,984.5%
Campaign 2	Business 1	Google	53,094	243,114	16,567	\$13,452.35	\$0.25	\$55.33	21.8%	\$0.81	16,357.8%
Campaign 3	Dusiness	Google	13,084	67,265	2,244	\$11,163.84	\$0.85	\$165.97	19.5%	\$4.97	11,266.7%
Campaign 4		Google	6,246	61,805		\$3,718.34	\$0.60	\$60.16	10.1%	\$0.66	8,091.8%
Campaign 5	Business 1	Google	4,997	11,145	439	\$5,475.32	\$1.10	\$491.28	44.8%	\$12.47	7,603.7%
Campaign 6	Business 1	Google	9	172	5	\$10.29	\$1.14	\$59.83	5.2%	\$2.06	3,352.8%
Campaign 7	Dusiness	Google	6	146	5	\$199.56	\$3.07	\$1,366.85	44.5%	\$39.91	2,069.5%



E-mail marketing and website traffic analysis

