

DIGITAL MARKETING DATASCIENCE LAB

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Appendix

Data Structure



APPENDIX

*Description of project
data structures*

DESCRIPTION OF PROJECT DATA STRUCTURES

INFO

The raw data available for the project are the following:

- **raw_1_cli_fid:**
contains info on the fidelity subscriptions of each customer account
- **raw_2_cli_account:**
contains info on each customer account
- **raw_3_cli_address:**
contains info on address corresponding to a customer account
- **raw_4_cli_privacy:**
contains info on the privacy policies accepted by each customer
- **raw_5_camp_cat:**
contains the categorization of the marketing email communications
- **raw_6_camp_event:**
contains the events (sents, opens, clicks, ...) related to the marketing email communications
- **raw_7_tic**
contains the purchase and refund transactions of each customer

DATA STRUCTURE

RAW DATA 1/3

➤ raw_1_cli_fid

ID_CLI	identify client (foreign key)
ID_FID	identify fidelity program (key)
ID_NEG	identify reference store
TYP_CLI_FID	main account (1/0)
COD_FID	type fidelity program
STATUS_FID	active account (1/0)
DT_ACTIVE	date activation

➤ raw_2_cli_account

ID_CLI	identify client (key)
EMAIL_PROVIDER	email account provider
W_PHONE	phone number added (0/1)
ID_ADDRESS	identify address (foreign key)
TYP_CLI_ACCOUNT	type client account
TYP_JOB	client job

➤ raw_3_cli_address

ID_ADDRESS	identify address (key)
CAP	postal code
PRV	province
REGION	region

DATA STRUCTURE

RAW DATA 2/3

➤ raw_4_cli_privacy

ID_CLI	identify client (foreign key)
FLAG_PRIVACY_1	flag privacy (1/0)
FLAG_PRIVACY_2	flag profiling (foreign key)
FLAG_DIRECT_MKT	flag direct marketing (1/0)

➤ raw_5_camp_cat

ID_CAMP	identify email campaign (key)
TYP_CAMP	type email campaign

➤ raw_6_camp_event

ID_EVENT	identify feedback event (key)
ID_CLI	identify client (foreign key)
ID_CAMP	identify email campaign (foreign key)
ID_DELIVERY	identify delivery
TYP_EVENT	type feedback event S = send V = open C = click B = bounce E = error
EVENT_DATE	datetime event

DATA STRUCTURE

RAW DATA 3/3

➤ raw_7_tic

ID_SCONTRINO	identify the transaction (all the products purchased or refund within the same transaction have the same id)
ID_CLI	identify client (foreign key)
ID_NEG	identify reference store (foreign key)
ID_ARTICOLO	identify the purchased or refund item
COD_REPARTO	identify the business unit corresponding to the item
DIREZIONE	purchase (1) or refund (-1)
IMPORTO_LORDO	gross amount = nett amount + discount applied (negative if refund)
SCONTO	discount applied (negative if refun)
DATETIME	date and time of the transaction