OLAPTRAIN.CUSTOMERS

	Column	Type
P *	CUSTOMER_KEY	NUMBER
	CUSTOMER_NUMBER	NUMBER
	AGE	NUMBER
	AGE_RANGE	VARCHAR2 (30 BYTE)
	BIRTHDAY	DATE
	COMMUTE_DISTANCE	NUMBER
	CREDIT_BALANCE	NUMBER
	CREDIT_BALANCE_RANGE	VARCHAR2 (20 BYTE)
	DISTANCE_RANGE	VARCHAR2 (20 BYTE)
	EDUCATION	VARCHAR2 (40 BYTE)
	EMAIL	VARCHAR2 (425 BYTE)
	FIRST_NAME	VARCHAR2 (200 BYTE)
	FULL_TIME	VARCHAR2 (40 BYTE)
	GENDER	VARCHAR2 (6 BYTE)
	HIGH_VALUE	NUMBER (1)
	HIGH_VALUE_DESCRIPTION	VARCHAR2 (5 BYTE)
	HOUSEHOLD_SIZE	NUMBER
	HOUSEHOLD_SIZE_RANGE	VARCHAR2 (20 BYTE)
	INCOME	NUMBER
	INCOME_LEVEL	VARCHAR2 (20 BYTE)
	INSUFF_FUNDS_INCIDENTS	NUMBER
	JOB_TYPE	VARCHAR2 (200 BYTE)
	LAST_NAME	VARCHAR2 (200 BYTE)
	LATE_MORT_RENT_PMTS	NUMBER
	MARITAL_STATUS	VARCHAR2 (8 BYTE)
	MORTGAGE_AMT_RANGE	VARCHAR2 (25 BYTE)
	NUM_CARS	NUMBER
	NUM_MORTGAGES	NUMBER
	MORTGAGE_AMT	NUMBER
	PET	VARCHAR2 (40 BYTE)
	POSTAL_CODE	VARCHAR2 (10 BYTE)
	PROMOTION_RESPONSE	NUMBER
	RENT_OWN	VARCHAR2 (40 BYTE)
	STREET_ADDRESS	VARCHAR2 (400 BYTE)
	WORK_EXPERIENCE	NUMBER
	WORK_EXPERIENCE_RANGE	VARCHAR2 (20 BYTE)
	YRS_CURRENT_EMPLOYER_RANGE	VARCHAR2 (20 BYTE)
	YRS_CUSTOMER	NUMBER
	YRS_CUSTOMER_RANGE	VARCHAR2 (20 BYTE)
	YRS_CURRENT_EMPLOYER	NUMBER
	YRS_RESIDENCE	NUMBER
	YRS_RESIDENCE_RANGE	VARCHAR2 (20 BYTE)
	COMMENTS	CLOB
	CITY_KEY	NUMBER
	CITY_NAME	VARCHAR2 (100 BYTE)
	STATE_PROVINCE_KEY	NUMBER
	STATE_PROVINCE_NAME	VARCHAR2 (400 BYTE)
	COUNTRY_KEY	NUMBER
	COUNTRY_NAME	VARCHAR2 (100 BYTE)
	ISO_CODE	VARCHAR2 (2 BYTE)
	REGION_KEY	NUMBER
	REGION_NAME	VARCHAR2 (100 BYTE)

CUSTOMERS_PK (CUSTOMER_KEY)

CUSTOMERS_PK (CUSTOMER_KEY)

OLAPTRAIN.PRODUCTS

	Column	Type
	DEPARTMENT_SHORT_DESC	VARCHAR2 (100 BYTE)
	DEPARTMENT_NAME	VARCHAR2 (100 BYTE)
*	DEPARTMENT_KEY	NUMBER
	CATEGORY_SHORT_DESC	VARCHAR2 (100 BYTE)
	CATEGORY_NAME	VARCHAR2 (100 BYTE)
	CATEGORY_MANAGER	VARCHAR2 (100 BYTE)
*	CATEGORY_KEY	NUMBER
	TYPE_NAME	VARCHAR2 (100 BYTE)
	TYPE_SHORT_DESC	VARCHAR2 (100 BYTE)
*	TYPE_KEY	NUMBER
	SUBTYPE_SHORT_DESC	VARCHAR2 (100 BYTE)
	SUBTYPE_NAME	VARCHAR2 (100 BYTE)
*	SUBTYPE_KEY	NUMBER
	DATE_INTRODUCED	DATE
P *	ITEM_KEY	NUMBER
	ITEM_NAME	VARCHAR2 (100 BYTE)
	ITEM_SHORT_DESC	VARCHAR2 (100 BYTE)
	BUYER	VARCHAR2 (100 BYTE)
	VENDOR_KEY	NUMBER
	VENDOR_NAME	VARCHAR2 (100 BYTE)
	VENDOR_SHORT_DESC	VARCHAR2 (100 BYTE)

PRODUCTS_PK (ITEM_KEY)

PRODUCTS_PK (ITEM_KEY)

OLAPTRAIN.TIMES

	Column	Type
P *	DAY_KEY	DATE
	CALENDAR_YEAR_TIME_SPAN	NUMBER
*	CALENDAR_YEAR_ID	VARCHAR2 (30 BYTE)
	CALENDAR_YEAR_NAME	VARCHAR2 (40 BYTE)
	CALENDAR_YEAR_END_DATE	DATE
	CALENDAR_QUARTER_NAME	VARCHAR2 (40 BYTE)
	CALENDAR_QUARTER_TIME_SPAN	NUMBER
	CALENDAR_QUARTER_END_DATE	DATE
	CALENDAR_QUART_NUMBER_IN_YEAR	NUMBER
*	CALENDAR_QUARTER_ID	VARCHAR2 (30 BYTE)
	MONTH_TIME_SPAN	NUMBER
	MONTH_NAME	VARCHAR2 (40 BYTE)
	MONTH_END_DATE	DATE
*	MONTH_ID	VARCHAR2 (30 BYTE)
	MONTH_NUMBER_IN_YEAR	NUMBER
	NUMBER_IN_WEEK	NUMBER
	NUMBER_IN_MONTH	NUMBER
	DAY_DESCRIPTION	VARCHAR2 (40 BYTE)
	DAY_END_DATE	DATE
	DAY_TIME_SPAN	NUMBER
	FISCAL_YEAR_ID	VARCHAR2 (30 BYTE)
	FISCAL_YEAR_TIME_SPAN	NUMBER
	FISCAL_YEAR_NAME	VARCHAR2 (40 BYTE)
	FISCAL_YEAR_END_DATE	DATE
	FISCAL_QUARTER_NUMBER_IN_YEAR	NUMBER
	FISCAL_QUARTER_ID	VARCHAR2 (30 BYTE)
	FISCAL_QUARTER_NAME	VARCHAR2 (40 BYTE)
	FISCAL_QUARTER_END_DATE	DATE
	FISCAL_QUARTER_TIME_SPAN	NUMBER
	RETAIL_YEAR_TIME_SPAN	NUMBER
	RETAIL_YEAR_END_DATE	DATE
	RETAIL_YEAR_ID	VARCHAR2 (30 BYTE)
	RETAIL_YEAR_NAME	VARCHAR2 (40 BYTE)
	RETAIL_SEASON_END_DATE	DATE
	RETAIL_SEASON_NAME	VARCHAR2 (40 BYTE)
	RETAIL_SEASON_TIME_SPAN	NUMBER
	RETAIL_SEASON_ID	VARCHAR2 (30 BYTE)
	RETAIL_QUARTER_END_DATE	DATE
	RETAIL_QUARTER_NAME	VARCHAR2 (40 BYTE)
	RETAIL_QUARTER_TIME_SPAN	NUMBER
	RETAIL_QUARTER_NUMBER_IN_YEAR	NUMBER
	RETAIL_QUARTER_ID	VARCHAR2 (30 BYTE)
	RETAIL_MONTH_END_DATE	DATE
	RETAIL_MONTH_NAME	VARCHAR2 (40 BYTE)
	RETAIL_MONTH_ID	VARCHAR2 (30 BYTE)
	RETAIL_MONTH_TIME_SPAN	NUMBER
	RETAIL_WEEK_END_DATE	DATE
	RETAIL_WEEK_TIME_SPAN	NUMBER
	RETAIL_WEEK_ID	VARCHAR2 (30 BYTE)
	RETAIL_WEEK_NAME	VARCHAR2 (40 BYTE)

TIMES_DIMENSION_KEY_PK (DAY_KEY)

TIMES_DIMENSION_KEY_PK (DAY_KEY)

OLAPTRAIN.SALES_FACT

	Column	Type
*	QUANTITY	NUMBER (10,2)
*	PRICE	NUMBER (10,2)
*	SALES	NUMBER (10,2)
F *	DAY_KEY	DATE
F *	PRODUCT	NUMBER
F *	CHANNEL	NUMBER
F *	CUSTOMER	NUMBER

SALES_FACT_CHAN_FK (CHANNEL)
SALES_FACT_CUST_FK (CUSTOMER)
SALES_FACT_PROD_FK (PRODUCT)
SALES_TIME_FK (DAY_KEY)

SALES_CHANNEL_BIDX (CHANNEL)
SALES_CUST_BIDX (CUSTOMER)
SALES_PROD_BIDX (PRODUCT)
SALES_TIME_BIDX (DAY_KEY)

OLAPTRAIN.CHANNELS

	Column	Type
P *	CHANNEL_KEY	NUMBER
	CHANNEL_NAME	VARCHAR2 (20 BYTE)
	CHANNEL_TYPE	VARCHAR2 (30 BYTE)
*	CLASS_KEY	NUMBER
	CLASS_NAME	VARCHAR2 (20 BYTE)

CHANNELS_PK (CHANNEL_KEY)

CHANNELS_PK (CHANNEL_KEY)