

```
print([column for column in X_train])
```

```
['date_block_num', 'shop_id', 'item_id', 'item_category_id', 'cat_type_code', 'cat_subtype_code', 'shop_city_code', 'shop_type_code', 'item_cnt_month_lag_1', 'item_cnt_month_lag_2', 'item_cnt_month_lag_3', 'item_cnt_month_lag_6', 'item_cnt_month_lag_12', 'date_avg_item_cnt_lag_1', 'date_avg_item_cnt_lag_2', 'date_avg_item_cnt_lag_3', 'date_avg_item_cnt_lag_6', 'date_avg_item_cnt_lag_12', 'date_item_avg_item_cnt_lag_1', 'date_item_avg_item_cnt_lag_2', 'date_item_avg_item_cnt_lag_3', 'date_item_avg_item_cnt_lag_6', 'date_item_avg_item_cnt_lag_12', 'date_shop_avg_item_cnt_lag_1', 'date_shop_avg_item_cnt_lag_2', 'date_shop_avg_item_cnt_lag_3', 'date_shop_avg_item_cnt_lag_6', 'date_shop_avg_item_cnt_lag_12', 'date_cat_avg_item_cnt_lag_1', 'date_cat_avg_item_cnt_lag_2', 'date_cat_avg_item_cnt_lag_3', 'date_cat_avg_item_cnt_lag_6', 'date_cat_avg_item_cnt_lag_12', 'date_cat_shop_avg_item_cnt_lag_1', 'date_cat_shop_avg_item_cnt_lag_2', 'date_cat_shop_avg_item_cnt_lag_3', 'date_cat_shop_avg_item_cnt_lag_6', 'date_cat_shop_avg_item_cnt_lag_12', 'date_type_avg_item_cnt_lag_1', 'date_type_avg_item_cnt_lag_2', 'date_type_avg_item_cnt_lag_3', 'date_type_avg_item_cnt_lag_6', 'date_type_avg_item_cnt_lag_12', 'date_item_type_avg_item_cnt_lag_1', 'date_item_type_avg_item_cnt_lag_2', 'date_item_type_avg_item_cnt_lag_3', 'date_item_type_avg_item_cnt_lag_6', 'date_item_type_avg_item_cnt_lag_12', 'date_city_avg_item_cnt_lag_1', 'date_city_avg_item_cnt_lag_2', 'date_city_avg_item_cnt_lag_3', 'date_city_avg_item_cnt_lag_6', 'date_city_avg_item_cnt_lag_12', 'date_item_city_avg_item_cnt_lag_1', 'date_item_city_avg_item_cnt_lag_2', 'date_item_city_avg_item_cnt_lag_3', 'date_item_city_avg_item_cnt_lag_6', 'date_item_city_avg_item_cnt_lag_12', 'delta_price_lag', 'month', 'days', 'item_shop_last_sale']
```