Meta Data

Variable	Description	Range/ Categories
ID	Unique identifier of the advertisement	Unique
period	Expressed as YYYYMM, the quarter when the ad was extracted	YYYY03 = 1st quarter YYYY06 = 2nd quarter YYYY09 = 3rd quarter YYYY12 = 4th quarter
price	Asking price for the ad at idealista (euros)	21, 000 – 813,30000
unitp	Asking price in euros per square meter (constructed area)	1700.49 – 9997.56
room	Number of bedrooms	0 – 93
bath	Number of bathrooms	0- 20
terrace	Dummy variable for terrace	0 = No terrace 1= Property has a terrace
aircon	Dummy variable for aircon	0 = No aircon 1= Property has aircon
parking	Dummy variable for parking space	0 = No parking space 1= Property has parking space
north	Dummy variable for North orientation *	0 = Not orientated to the North 1= Orientated to North
south	Dummy variable for South orientation *	0 = Not orientated to the South 1= Orientated to South
east	Dummy variable for East orientation *	0 = Not orientated to the East 1= Orientated to East
west	Dummy variable for West orientation *	0 = Not orientated to the West 1= Orientated to West
swimpool	Dummy variable for swimming pool	0 = No swimming pool 1= Property has a swimming pool
garden	Dummy variable for garden	0 = No garden 1= Property has a garden
duplex	Dummy variable for duplex (semi-detached properties over 2 floors)	0 = Not a duplex 1= Property is a duplex
studio	Dummy variable for studio (apartment for one person)	0 = Not a studio 1= Is a studio
topfloor	Dummy variable indicating if the apartment is located on the top floor of the building	0 = Not on the top floor 1= Property is on the top floor

conyr	Construction year (source: cadastre)	1623 - 2018
maxfloor	Max building floor (source: cadastre)	0 - 26
dcount	Dwelling count in the building (source: cadastre)	1 - 1499
quality	Building quality (source: cadastre)	0 – 9 (Worst to Best)
newdev	Dummy variable for whether the property is in a new development of flats	0 = Not a new development 1= Is a new development
dist_city_centre	Distance to the city centre (km)	0.01 – 14.16
dist_metro	Distance to the metro station (km)	0.00 – 9.43
long	Longitude, geographical coordinate	(-3.54) – (-3.83)
lat	Latitude, geographical coordinate	40.33 – 40.52

* Important note: orientation features are not orthogonal features, e.g. a house oriented to the north can be also oriented to the east