1. **Price**: rent price per month
2. **Dublin’s postal districts**

(Dublin 1, Dublin 2, Dublin 3, Dublin 4, Dublin 5, Dublin 6, Dublin 6W, Dublin 7, Dublin 8, Dublin 9, Dublin 10, Dublin 11, Dublin 12, Dublin 13, Dublin 14, Dublin 15, Dublin 16, Dublin17, Dublin 18, Dublin 20, Dublin 22, Dublin 24. **23 districts in total, this will be saved as one hot data, so 23 features**.)

For example, if the house is in Dublin 5, the data of Dublin 5 should be 1, the rest should be 0: (0, 0, 0, 0, 1, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0)

Another example, if the house is in Dublin 22, the data of Dublin 5 should be 1, the rest should be 0: (0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 0, 1, 0)

1. **Type of house** (Apartment, House, Studio, 3 types, **one hot data**)

For example, if the type of the house is “Apartment”, the data of Apartment should be 1, the rest should be 0: (1, 0, 0)

Another example, if the type of the house is “Studio”, the data of Apartment should be 1, the rest should be 0: (0, 0, 1)

1. **Bedroom**: Number of bedrooms (1 room: 1, 2 rooms: 2, 3 rooms: 3 ……)
2. **Bathroom**: Number of bathrooms (1 room: 1, 2 rooms: 2, 3 rooms: 3 ……)
3. **Furnished**: Furnished or not (Not furnished: 0, Furnished: 1)
4. **Transports**: Whether is near to public transport (No: 0, Yes: 1)
5. **Shops**: Whether is near to shops (No: 0, Yes: 1)
6. **Parking**: Whether has parking lot (No: 0, Yes: 1)
7. **Internet**: Whether has the Internet (No: 0, Yes: 1)
8. **ExtraSpace**: Whether has Garden / Patio / Balcony (No: 0, Yes: 1)