ISTANBUL HOUSING MARKET REPORT OCTOBER 2022 NO:21

LAB



ISTANBUL: NOMINAL ANNUAL RETURNS OF RESIDENTIAL & FINANCIAL INVESTMENTS

Date	Residental-Total Return	Deposit	ISE-100	US Dollar	Euro	Gold	СРІ	250
2011-08	15,18%	8,73%	-7,75%	16,33%	29,12%	67,52%	6,65%	
2012-08	19,72%	9,43%	19,55%	2,25%	-11,57%	-4,96%	8,88%	200
2013-08	22,02%	9,58%	9,70%	9,77%	17,88%	-8,62%	8,17%	
2014-08	27,46%	7,85%	10,69%	10,08%	10,14%	4,92%	9,54%	150
2015-08	29,52%	8,95%	-3,80%	32,06%	10,48%	13,73%	7,14%	200
2016-08	22,28%	9,35%	0,48%	3,80%	4,42%	24,57%	8,05%	100
2017-08	11,47%	9,99%	41,39%	18,64%	24,89%	13,49%	10,68%	100
2018-08	7,06%	11,34%	-13,87%	65,48%	61,80%	54,16%	17,90%	
2019-08	4,42%	16,12%	4,38%	-2,94%	-6,46%	21,58%	15,01%	50
2020-08	28,54%	17,23%	12,30%	28,91%	37,20%	70,88%	11,77%	
2021-08	37,07%	9,37%	31,72%	16.49%	15,86%	4,89%	19,25%	0
2022-08	215,70%	16,25%	102,64%	112,59%	83,02%	110,77%	80,21%	
Historical Avarage	28,16%	11,07%	13,51%	22,56%	20,37%	27,58%	14,33%	

ISTANBUL: ANNUAL RETURNS OF RESIDENTIAL & FINANCIAL INVESTMENTS



Specific to Istanbul, total returns including capital gain and gross rental income in August reached 8,31% monthly and 215,70% annually. In the retrospective 12 years as of August 2022, total returns of housing investments in Istanbul (28,16%) was higher than the financial investment tools.



ISTANBUL: NOMINAL & REAL RETURN



When Residential Property Price Index published by Central Bank of the Republic of Turkey for August is analyzed, it could be seen that all across Istanbul there was a nominal increase in housing prices by 7,97% monthly; 59,83% half-yearly; 210,76% annually, and 80,28% 5 yearly. It could be said that in the long run real return in Istanbul reflected positively. On the other hand, our Istanbul residential property price index expectation change for September is +5,80%.



ISTANBUL: HOUSING UNIT PRICES (TL/M2 & USD/M2)

30.000,00 1600 600,00 1400 25.000,00 500,00 1200 20.000,00 400,00 1000 800 15.000,00 300,00 600 200,00 10.000,00 400 100,00 5.000,00 200 0,00 0,00 0 Total House Sales Volume (Bn TL) ——Residential Property Price Index (RPPI) -USD/M2 L/M2

ISTANBUL: TOTAL HOUSE SALES VOLUME (BN TL) & RPPI

70

60

50

40

30

20

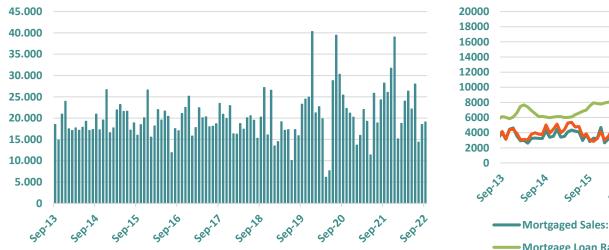
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Housing prices in Istanbul were calculated as 24.533,80 TL/m2 and 1.362 U.S. Dollars/m2 as of August. Housing prices increased by 238% in local currency and increased by 59% in U.S. Dollars compared to the same month of last year. The level of «House Sales Volume» calculated by MintLab considering number of housing sales and average sales prices in Istanbul in August 2022 is 46,8 billion TL.



ISTANBUL: TOTAL HOUSE SALES

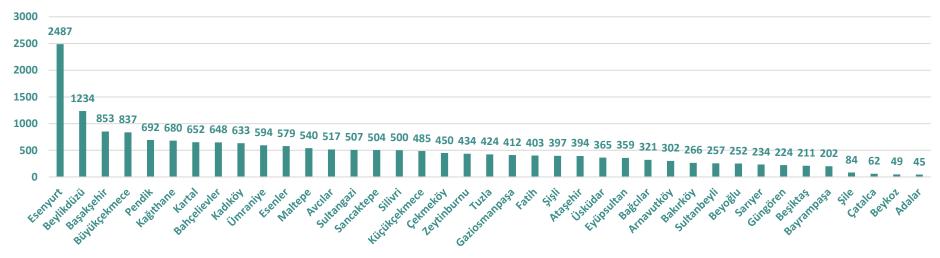


ISTANBUL: MORTGAGED SALES & MLR



In September in Istanbul 19.089 housing sales were concluded (historic average: 20.257). 27% of sales in September are first hand sales while 73% are second-hand sales. Against every first hand house sold in Istanbul, 2,68 second-hand houses were sold. It could be said that consumers gravitate towards relatively low cost houses.

ISTANBUL: HOUSE SALES BY DISTRICTS-SEPTEMBER 2022

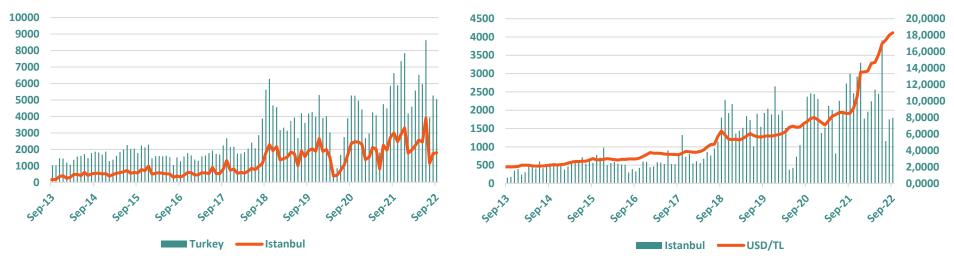


In Istanbul the highest number of housing sales in September were made in Esenyurt (2.487 houses). Sales in Esenyurt were 13 percent of total sales in Istanbul. While 680 houses were sold in Kağıthane and only 45 sales were made in Adalar which made Adalar the district with the lowest number of sales.



ISTANBUL: HOUSE SALES TO FOREIGNERS

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In Istanbul in September 2022, 1.795 houses were sold to foreigners. Sales in Istanbul were 36% of the total houses sold to foreigners in Turkey. On the other hand, the level of sales in September were higher 45 houses than the last month. It could be said that there was a correlation of +0,75 between the exchange rate and the housing sales to foreigners.



ISTANBUL: HOUSING AFFORDABILITY INDEX



According to data from «Housing Affordability Index» prepared by MintLab, in Istanbul the index was calculated as 50 in August. Housing prices, disposable household income, and interest rate affect housing affordability. (100 and higher parity values in housing affordability index demonstrate that with the existing loan rate a house could be purchased using a 10-year loan; while index belows 100 point at the fact that the family cannot own a house under existing financial circumstances and using mortgage loan.) On the other hand, according to data from «House Price to Income Ratio» calculated by MintLab, in Istanbul housing prices were 5,94 times average household disposable income in August and above to 3,00 threshold value.

ISTANBUL: HOUSE PRICE TO INCOME RATIO



ISTANBUL: HOUSING TOTAL RETURN INDEX

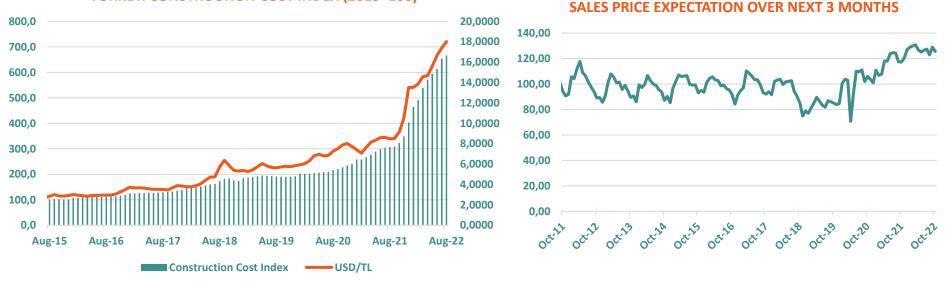
ISTANBUL: MORTGAGE PAYMENTS TO INCOME RATIO



According to data from «Mortgage Payments to Income Ratio» prepared by MintLab, it is seen that the monthly payments of the mortgage loan to be used in the purchase of a house with an average sales price in Istanbul (average house sales price: 2.453.380 TL) are 66% of the household's net disposable income in August 2022. As a general rule, mortgage payments shouldn't be more than 28% of the monthly net disposable income of a household. On the other hand, the «Housing Total Return Index (2017 January = 100)» prepared by MintLab, tracks both the capital gains as well as rental yields. The Index increased 821,5 points; which represents an increase of 7,78% in August 2022.



TURKEY: CONSTRUCTION COST INDEX (2015=100)



Based on «Construction Cost Index» data prepared by Turkish Statistical Institute, construction costs increased by 1,99% monthly, and increased by 117,01% annually in August 2022. The fact that correlation between construction cost index and exchange rate of dollar is at +0,99 level, demonstrates that variability in exchange rate has absolute effect on construction input costs. On the other hand, in October according to «Sales Price Expectations Over Next 3-Months» data, expectations of sales prices will increase in the next 3-months show a decrease trend (-2,6%) compared to the previous month.



GOOGLE SEARCH FREQUENCY: SALES (RESIDENTIAL) GOOGLE SEARCH FREQUENCY: RENTAL (RESIDENTIAL) 100 100 80 80 60 60 40 40 20 20 0 10.2022 10.2022 12.10.2022 10.2022 10.2022 10.2022 22.10.2022.10.2022.10.2022.10.2022 10.2022 10.2022 10.2022 1,10,2012, 1 10.2022 10.2022 10.2022 10.2022 10.2022 10.2022 10.2022 5.10.2022 10.202 -Sales: Turkey Rental: Turkey

When «Google Trends» search statistics for houses for sale or rent in October are analyzed, Google searches for houses for sale and rental across Istanbul increased compared to the previous month. (Relevance in Time: Numbers show search relevance relative to the highest point on graph for a certain time and area. The value 100 means that the term has the highest popularity. The value 50 means term is half as popular as that. The value 0 means there is not sufficient data for this term.)

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