clustering dest\_wallet\_id

آزمایشی

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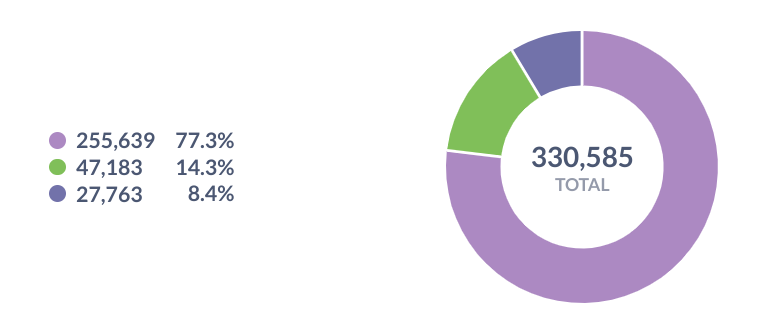
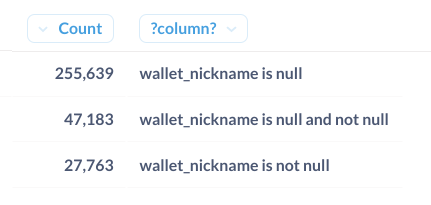
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# براساس wallet\_nickname

* **میانگین transaction\_value ها**
  + **براساس مقیاس معمولی**

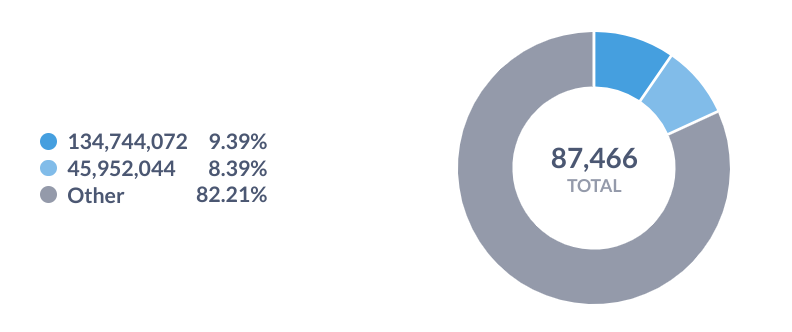
|  |
| --- |
| **select** count(\*), 'wallet\_nickname is null and not null' **from**(  **select** **distinct** dest\_wallet\_id **from** data\_dataset **where** wallet\_nickname **is** null  **intersect** all  **select** **distinct** dest\_wallet\_id **from** data\_dataset **where** wallet\_nickname **is** not null) **as** t  **union**  **select** count(\*), 'wallet\_nickname is null ' **from**(  **select** **distinct** dest\_wallet\_id **from** data\_dataset **where** wallet\_nickname **is** null  **except** all  **select** **distinct** dest\_wallet\_id **from** data\_dataset **where** wallet\_nickname **is** not null) **as** t  **union**  **select** count(\*), 'wallet\_nickname is not null ' **from**(  **select** **distinct** dest\_wallet\_id **from** data\_dataset **where** wallet\_nickname **is** not null  **except** all  **select** **distinct** dest\_wallet\_id **from** data\_dataset **where** wallet\_nickname **is** null) **as** t  **order** **by** count **desc** |

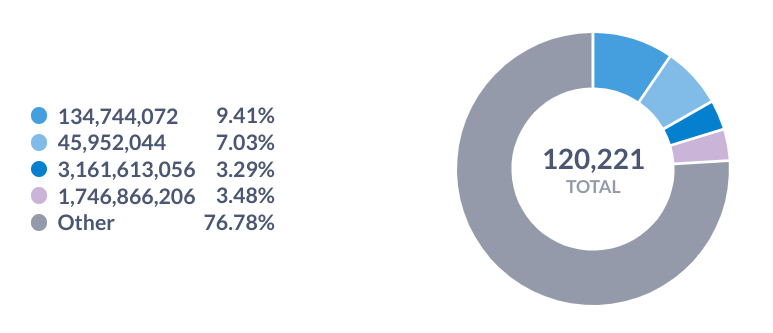


* + **نحوه‌ی توزیع wallet\_nickname های غیر null**

|  |
| --- |
| **select** dest\_wallet\_id, count(\*) ta\_wallet\_nickname, sum(tedad) bar\_tekrar\_shodan  **from**(  **select** dest\_wallet\_id, wallet\_nickname, count(\*) tedad  **from** data\_dataset  **where** wallet\_nickname **is** not null  **group** **by** dest\_wallet\_id, wallet\_nickname ) **as** t  **group** **by** dest\_wallet\_id  **order** **by** ta\_wallet\_nickname **desc**, bar\_tekrar\_shodan **desc** |

* + - توزیع wallet\_nickname های متمایز

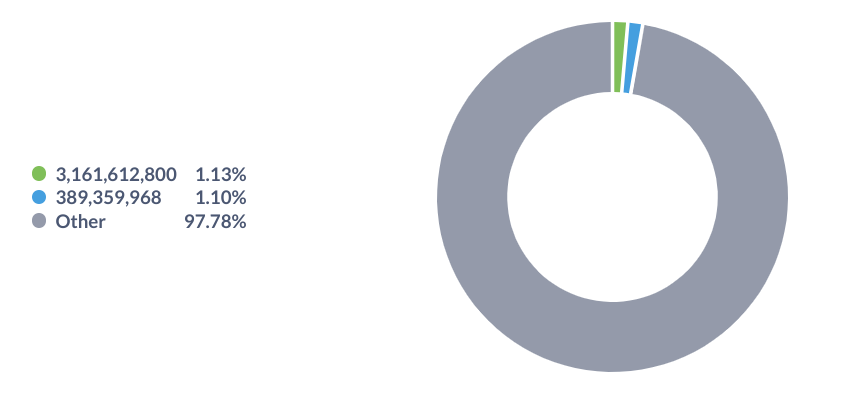


* + - تعداد تکرار walletـnickname خاص

# براساس count, transaction\_cost, transaction\_value

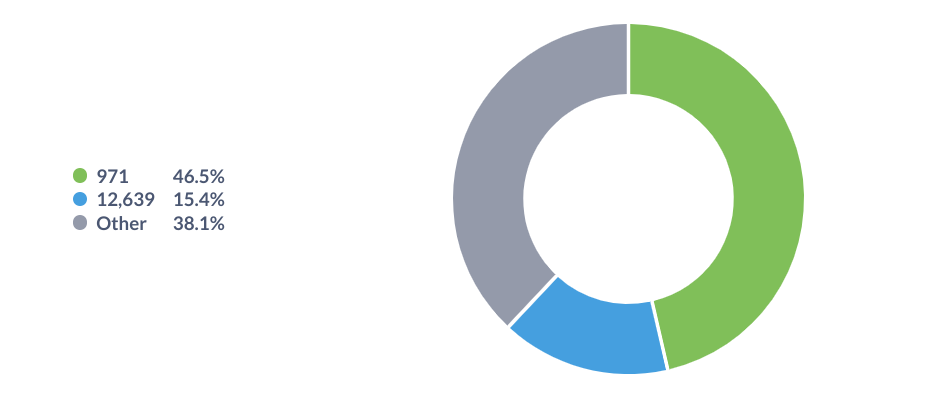
* **نسبت مجموع transaction\_value ها به مجموع transaction\_cost ها:**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, swtv/greatest(swtc,1) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **order** **by** result **desc** |



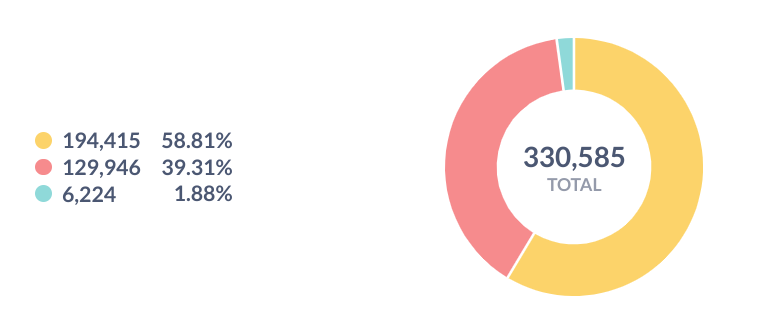
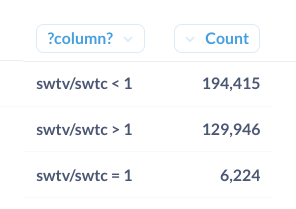
* + **براساس مقیاس کوچک شده‌ی 100000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000 dest\_wallet\_id, sum(swtv)/greatest(sum(swtc),1) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000  **order** **by** result **desc** |



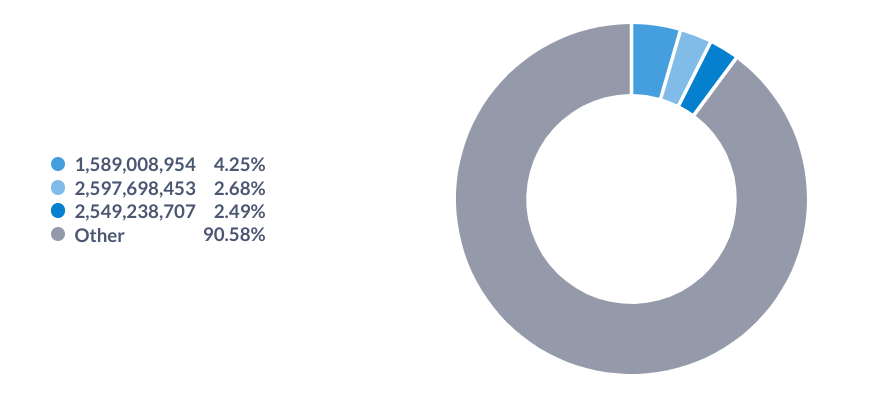
* + **بر اساس توزیع نسبت**

|  |
| --- |
| **select** count(\*), (**select** count(\*) **from**(**select** **distinct** dest\_wallet\_id **from** data\_dataset) **as** b8) total  **from**(  **select** dest\_wallet\_id, swtv/greatest(swtc,1) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4) **as** b5  **where** result > 1  --where result = 1  --where result < 1 |



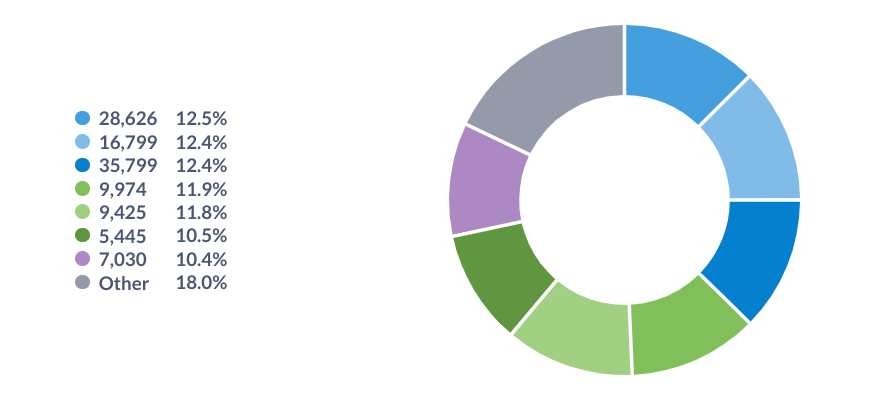
* **نسبت مجموع transaction\_cost ها به مجموع transaction\_value ها:**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, swtc/greatest(swtv,1) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **order** **by** result **desc** |



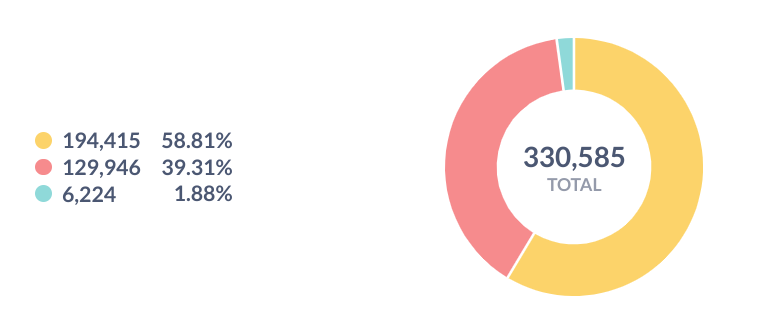
* + **براساس مقیاس کوچک شده‌ی 100000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000 dest\_wallet\_id, sum(swtc)/greatest(sum(swtv),1) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000  **order** **by** result **desc** |



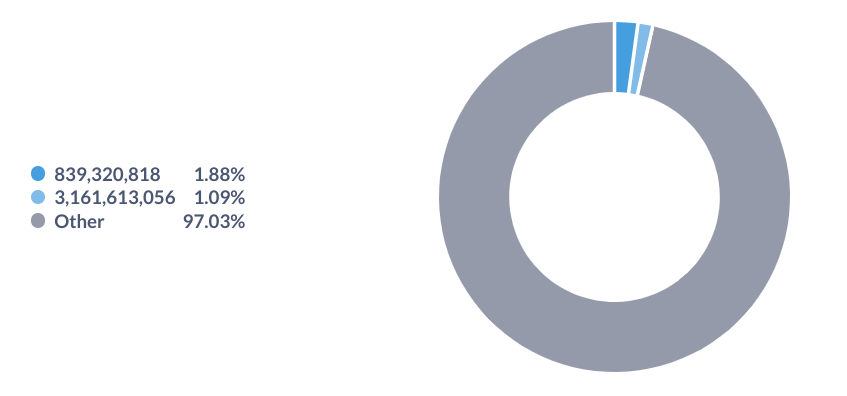
* + **براساس توزیع نسبت**

|  |
| --- |
| **select** count(\*), (**select** count(\*) **from**(**select** **distinct** dest\_wallet\_id **from** data\_dataset) **as** b8) total  **from**(  **select** dest\_wallet\_id, swtc/greatest(swtv,1) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4) **as** b5  **where** result > 1  --where result = 1  --where result < 1 |



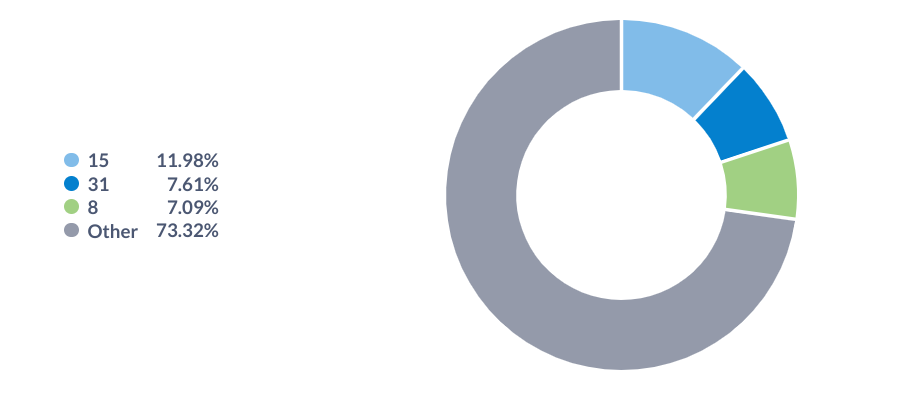
* **مجموع transaction\_value ها با transaction\_cost ها**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, swtc+swtv total  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4--) as b5  **order** **by** total **desc** |



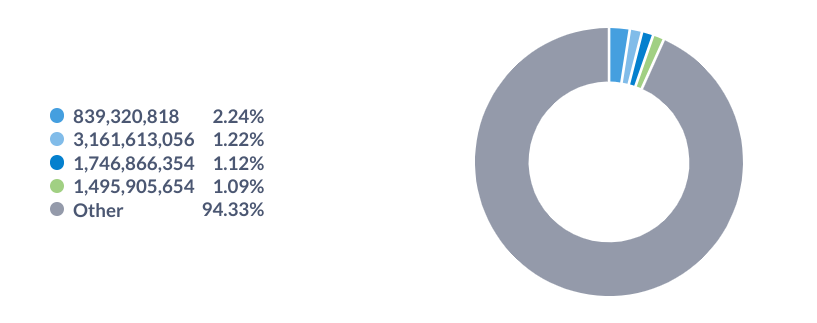
* + **براساس مقیاس کوچک شده‌ی 100000000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000000 dest\_wallet\_id, sum(swtc)+sum(swtv) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000000  **order** **by** result **desc** |



* **مجموع transaction\_value ها**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, swtv  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **order** **by** swtv **desc** |



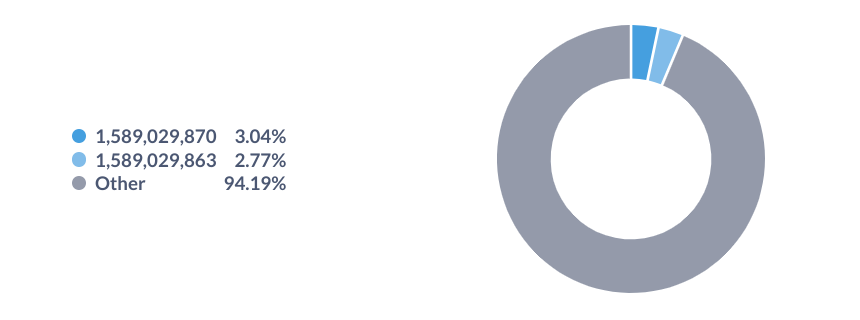
* + **براساس مقیاس کوچک شده‌ی 100000000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000000 dest\_wallet\_id, sum(swtv) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000000  **order** **by** result **desc** |



* **مجموع transaction\_cost ها**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, swtc  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **order** **by** swtc **desc** |



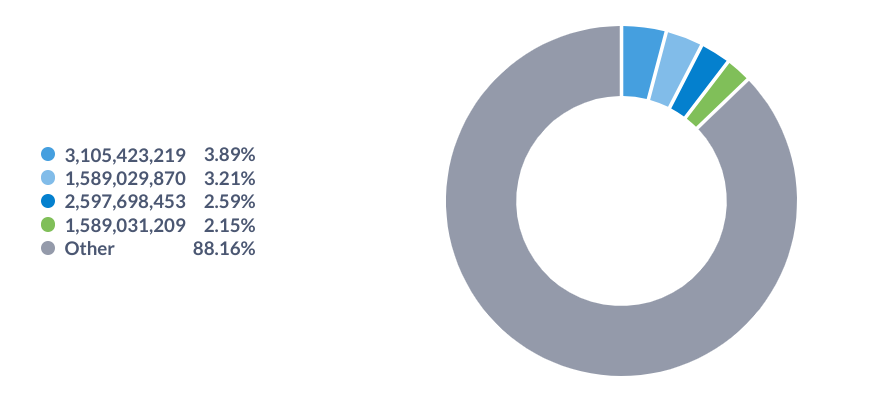
* + **براساس مقیاس کوچک شده‌ی 100000000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000000 dest\_wallet\_id, sum(swtc) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value) swtv, sum(transaction\_cost) swtc  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000000  **order** **by** result **desc** |



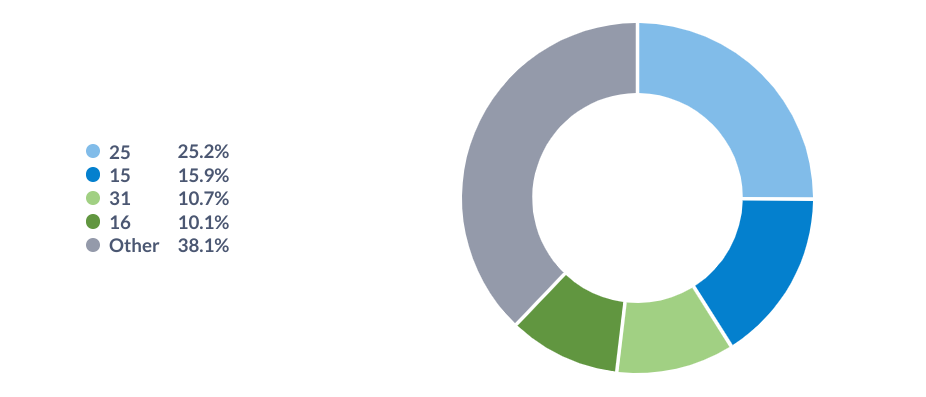
* **میانگین transaction\_cost ها**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, sum(transaction\_cost)/sum(wight) result  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id  **order** **by** result **desc** |



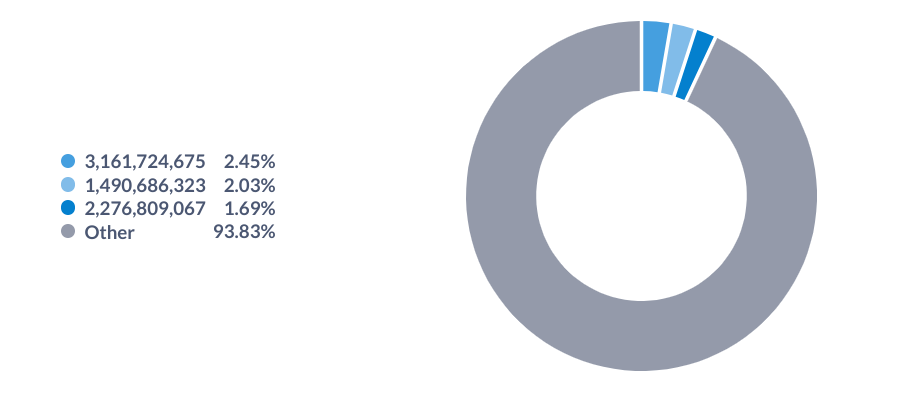
* + **براساس مقیاس کوچک شده‌ی 100000000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000000 dest\_wallet\_id, sum(result) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_cost)/sum(wight) result  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000000  **order** **by** result **desc** |



* **میانگین transaction\_value ها**
  + **براساس مقیاس معمولی**

|  |
| --- |
| **select** dest\_wallet\_id, sum(transaction\_value)/sum(wight) result  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id  **order** **by** result **desc** |



* + **براساس مقیاس کوچک شده‌ی 100000000 برابری**

|  |
| --- |
| **select** dest\_wallet\_id/100000000 dest\_wallet\_id, sum(result) result  **from**(  **select** dest\_wallet\_id, sum(transaction\_value)/sum(wight) result  **from**(  **select** dest\_wallet\_id, sum(new\_count) wight, transaction\_cost, transaction\_value  **from**(  **select** \*  **from**(  **select** dest\_wallet\_id, count(count) new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count = 0  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b0    **union** all  **select** \*  **from**(  **select** dest\_wallet\_id, count new\_count, transaction\_cost, transaction\_value  **from** data\_dataset  **where** count != 0) **as** b1) **as** b2  **group** **by** dest\_wallet\_id, transaction\_cost, transaction\_value) **as** b3  **group** **by** dest\_wallet\_id) **as** b4  **group** **by** dest\_wallet\_id/100000000  **order** **by** result **desc** |

