

•

•

•

```
. global rutavm="D:\2025\TRANSPORTES 2024\ANT\Vehículos\trabajo nueva  
2024\IMPUTACIÓN"
```

```
.  
.  
.  
. cd $rutavm  
invalid syntax  
r(198);
```

```
.  
.  
.  
.  
.  
. use vm24imp, clear
```

```
.  
.  
.  
.  
.  
.  
.  
. **** ESCENARIO #1 ****///
```

```
.  
.  
.  
. rename pasajerof cap_pasajeros
```

```
.  
.  
.  
. ***CAPACIDAD DE PASAJEROS***///
```

```
.  
. gen pasajerosf=cap_pasajeros  
(852 missing values generated)
```

```
.  
. replace pasajerosf=. if clase24==1 & (cap_pasajeros>10 | cap_pasajeros==0)  
(119 real changes made, 119 to missing)
```

```
.  
. replace pasajerosf=. if clase24==2 & (cap_pasajeros<17)  
(843 real changes made, 843 to missing)
```

```

.
. replace pasajerosf=. if clase24==3 & (cap_pasajeros>20 | cap_pasajeros<=0)
(21 real changes made, 21 to missing)

.
. replace pasajerosf=. if clase24==4 & (cap_pasajeros>20 | cap_pasajeros<=0)
(69 real changes made, 69 to missing)

.
. replace pasajerosf=. if clase24==5 & (cap_pasajeros>20 | cap_pasajeros<=0)
(22 real changes made, 22 to missing)

.
. replace pasajerosf=. if clase24==6 & (cap_pasajeros>20 | cap_pasajeros<=0)
(26 real changes made, 26 to missing)

.
. replace pasajerosf=. if clase24==7 & (cap_pasajeros>10 | cap_pasajeros<=0)
(108 real changes made, 108 to missing)

.
. replace pasajerosf=. if clase24==8 & (cap_pasajeros>10 | cap_pasajeros<=0)
(2 real changes made, 2 to missing)

.
. replace pasajerosf=. if clase24==9 & (cap_pasajeros>10 | cap_pasajeros<=0)
(18 real changes made, 18 to missing)

.
. replace pasajerosf=. if clase24==10 & (cap_pasajeros>10 | cap_pasajeros<=0)
(10 real changes made, 10 to missing)

.
. replace pasajerosf=. if clase24==11 & (cap_pasajeros<=0)
(7 real changes made, 7 to missing)

.
.
.
. label variable pasajerosf "Capacidad de pasajeros"

.
.
.
.
.
.
. ***CAPACIDAD DE CARGA***///

```

```

.
.
.
. rename tonelajefn cap_carga

.
.
.
. gen tonelajefn=cap_carga
(787 missing values generated)

.
. replace tonelajefn=. if clase24==1 & (cap_carga>=3.01 | cap_carga==0)
(290 real changes made, 290 to missing)

.
. replace tonelajefn=. if clase24==2 & (cap_carga>=300 | cap_carga==0)
(3 real changes made, 3 to missing)

.
. replace tonelajefn=. if clase24==3 & (cap_carga>=750 | cap_carga<=1)
(1,179 real changes made, 1,179 to missing)

.
. replace tonelajefn=. if clase24==4 & (cap_carga>=6.01 | cap_carga==0)
(81 real changes made, 81 to missing)

.
. replace tonelajefn=. if clase24==5 & (cap_carga>=6.01 | cap_carga==0)
(32 real changes made, 32 to missing)

.
. replace tonelajefn=. if clase24==6 & (cap_carga>=6.01 | cap_carga==0)
(66 real changes made, 66 to missing)

.
. replace tonelajefn=. if clase24==7 & (cap_carga>=3.01 | cap_carga==0)
(57 real changes made, 57 to missing)

.
. replace tonelajefn=. if clase24==8 & (cap_carga>=104 | cap_carga==0)
(0 real changes made)

.
. replace tonelajefn=. if clase24==9 & (cap_carga<=3 | cap_carga>=99)
(29 real changes made, 29 to missing)

.

```

```

. replace tonelajefn=. if clase24==10 & (cap_carga<=.75 | cap_carga>207)
(12 real changes made, 12 to missing)

.

. replace tonelajefn=. if clase24==11 & (cap_carga==0 | cap_carga>99)
(1 real change made, 1 to missing)

.

.

. label variable tonelajefn "Capacidad de carga"

.

.

.

. keep PLACA clase24 marca2024 cap_pasajeros pasajerosf cap_carga tonelajefn

.

.

.

. encode marca2024, gen(marca)

.

.

.

. sort clase24 marca2024

.

.

.

. save vm24imp, replace
file vm24imp.dta saved

.

.

.

. ****IMPUTACIÓN CAPACIDAD PASAJEROS****

.

.

.

. clear

.

. use vm24imp

.

.

```

```
.
. hotdeck pasajerosf using p, store by(marca clase24) impute(5) seed(1) keep(PLACA
pasajerosf)
Seed is set as 2
DELETING all matrices....
```

Missing Patterns

Table of the Missing data patterns

* signifies missing and - is not missing

Varlist order: pasajerosf

Missing			
pattern	Freq.	Percent	Cum.
-----+			
*	2,097	0.07	0.07
-	3,137,298	99.93	100.00
-----+			
Total	3,139,395	100.00	

STRATUM information

Listing the number observed (No_obs) and
the number missing (No_miss) in each stratum

+-----+				
	marca	clase24	No_obs	No_miss

	Agrale	2	129	0
	Agrale	3	8	0
	Agrale	4	1	0
	Agrale	7	1	0
	Agrale	11	1	0

	Akt	7	6053	14
	Alfa Romeo	1	150	1
	Amazon	7	152	0
	Aprilia	7	423	0
	Asia	2	4	0

	Asia	3	11	0
	Asia	4	13	0
	Asia	5	229	1
	Asia	6	11	0
	Asia	9	4	0

	Asia	10	4	0
	Atul	7	924	0
	Audi	1	1185	0
	Audi	6	1530	3
	Audi	11	27	5

	Austin	1	634	0
	Austin	4	134	0
	Austin	6	6	0
	Axxo	7	13657	3
	Baic	1	133	0

	Baic	6	2115	0
	Baic	11	3	0
	Bajaj	7	60719	29
	Baw	2	2	0
	Baw	3	84	0

	Baw	4	12	0
	Baw	5	8	0
	Beiben	3	37	0
	Beiben	8	6	0
	Beiben	9	212	1

	Beiben	10	78	0
	Beiben	11	37	0
	Benelli	7	7639	6
	Bera	7	351	0
	Bma	7	165	0

	Bmw	1	3086	1
	Bmw	6	1823	0
	Bmw	7	1137	1
	Bmw	11	60	0
	Brilliance	1	6	0

	Brilliance	6	171	0
	Bultaco	7	8004	7
	Byd	1	1396	0
	Byd	2	15	0
	Byd	5	19	0

	Byd	6	1175	0
	Byd	11	4	0
	Camc	3	59	0
	Camc	9	102	0
	Camc	10	45	0

	Camc	11	29	0
	Cfmoto	7	1134	1
	Changan	1	1481	0
	Changan	3	110	0
	Changan	4	1475	0

	Changan	5	170	0
	Changan	6	5034	0
	Changhe	1	107	0
	Changhe	3	13	0
	Changhe	4	436	1

	Changhe	5	732	0
	Changhe	6	183	0
	Chery	1	9040	1
	Chery	3	38	0
	Chery	4	75	0

	Chery	5	5837	0
	Chery	6	19641	1
	Chery	11	41	1
	Chevrolet	1	352075	51
	Chevrolet	2	2056	146

	Chevrolet	3	39937	9
	Chevrolet	4	187325	34
	Chevrolet	5	8976	2
	Chevrolet	6	127860	11
	Chevrolet	8	384	0

	Chevrolet	9	377	0
	Chevrolet	10	1012	0
	Chevrolet	11	1782	8
	Chrysler	1	157	0
	Chrysler	5	57	0

	Chrysler	6	29	0
	Citroen	1	6595	0
	Citroen	4	1110	0
	Citroen	5	641	0
	Citroen	6	937	0

	Citroen	11	74	0
	Coronel	7	338	1
	Dacia	1	179	0
	Dacia	4	27	0
	Dacia	5	5	0

	Dacia	6	77	0
	Daewoo	1	8315	0
	Daewoo	3	6	0
	Daewoo	4	10	0
	Daewoo	5	108	0

	Daewoo	6	41	0
	Daewoo	11	18	1
	Daf	3	18	0
	Daf	8	3	0
	Daf	9	194	0

	Daf	10	15	0
	Daf	11	69	0
	Daihatsu	1	966	1
	Daihatsu	2	6	0
	Daihatsu	3	3168	0

	Daihatsu	4	439	0
	Daihatsu	5	57	0
	Daihatsu	6	2904	0
	Daihatsu	8	8	0
	Daihatsu	10	6	0

	Daihatsu	11	16	0
	Dakar	7	109	0
	Datsun	1	978	0
	Datsun	4	3908	0
	Datsun	5	5	0

	Datsun	6	16	0
	Dax	7	555	1
	Dayang	1	25	0
	Dayang	4	2	0
	Dayang	6	61	0

	Dayang	7	2660	1
	Daytona	4	1	0
	Daytona	7	70041	59
	Dayun	3	34	0
	Dayun	4	44	0

	Dayun	7	1573	1
	Dayun	9	21	0
	Dayun	10	11	0
	Dayun	11	6	0
	Dfsk	4	1968	0

Dfsk	5	3589	0	
Dfsk	6	8171	0	
Dfsk	11	22	0	
Dodge	1	147	0	
Dodge	3	40	0	

Dodge	4	380	1	
Dodge	5	59	1	
Dodge	6	760	0	
Dodge	11	33	0	
Dongfeng	1	280	0	

Dongfeng	2	86	0	
Dongfeng	3	1781	0	
Dongfeng	4	3788	0	
Dongfeng	5	561	0	
Dongfeng	6	2094	0	

Dongfeng	8	34	0	
Dongfeng	9	162	0	
Dongfeng	10	250	1	
Dongfeng	11	15	0	
Ducar	7	209	0	

Ducati	7	282	0	
Dukare	7	24493	16	
Enranger	4	5	0	
Enranger	6	137	0	
Explorer	7	56	0	

Factory	7	9559	19	
Faw	1	7	0	
Faw	2	22	5	
Faw	3	685	0	
Faw	4	69	0	

Faw	5	798	0	
Faw	6	984	0	
Faw	8	4	0	
Faw	9	168	5	
Faw	10	69	0	

Faw	11	31	0	
Fengchi	7	230	0	
Fiat	1	9646	0	
Fiat	3	29	0	
Fiat	4	1834	0	

	Fiat	5	32	0
	Fiat	6	1260	0
	Fiat	8	1	0
	Fiat	10	6	0
	Fiat	11	8	0

	Foday	4	129	1
	Foday	6	16	0
	Foday	11	1	0
	Ford	1	5798	0
	Ford	2	50	10

	Ford	3	2375	1
	Ford	4	35087	11
	Ford	5	494	4
	Ford	6	24738	1
	Ford	8	173	0

	Ford	9	140	0
	Ford	10	494	1
	Ford	11	902	1
	Formosa	7	1235	0
	Foton	2	3	2

	Foton	3	1925	0
	Foton	4	1259	1
	Foton	5	2810	2
	Foton	6	26	0
	Foton	8	32	0

	Foton	9	356	1
	Foton	10	39	0
	Foton	11	153	0
	Freightliner	3	185	0
	Freightliner	8	50	0

	Freightliner	9	1712	3
	Freightliner	10	131	0
	Freightliner	11	166	0
	Fuso	2	7	0
	Fuso	3	1144	0

	Fuso	8	13	0
	Fuso	10	1	0
	Fuso	11	32	0
	Gac	1	91	0
	Gac	6	1563	1

	Gac	11	1	0
	Galardi	7	1914	0
	Geely	1	89	0
	Geely	4	1	0
	Geely	6	661	0

	Geely	7	21	0
	Gmc	1	15	0
	Gmc	2	2	0
	Gmc	3	59	0
	Gmc	4	464	0

	Gmc	5	34	0
	Gmc	6	350	0
	Gmc	8	5	0
	Gmc	9	7	0
	Gmc	10	15	0

	Gmc	11	21	0
	Gne 200	7	1446	5
	Golden Dragon	2	83	1
	Golden Dragon	5	970	0
	Golden Dragon	11	1	0

	Great Wall	1	4302	2
	Great Wall	4	24546	4
	Great Wall	6	18622	0
	Great Wall	11	67	0
	Haojue	7	2263	6

	Harlem Dayton	7	58	0
	Harley Davidson	7	445	0
	Hero	7	3766	0
	Higer	2	34	0
	Higer	5	187	0

	Higer	11	1	1
	Hino	2	14091	445
	Hino	3	40577	8
	Hino	8	959	2
	Hino	9	1518	0

	Hino	10	4260	3
	Hino	11	2215	0
	Honda	1	2510	2
	Honda	4	27	0
	Honda	5	95	0

	Honda	6	4563	0
	Honda	7	53535	34
	Honda	11	25	0
	Husqvarna	7	519	1
	Hussar	7	217	0

	Hyundai	1	91984	23
	Hyundai	2	1320	39
	Hyundai	3	8432	4
	Hyundai	4	224	0
	Hyundai	5	11150	3

	Hyundai	6	60895	5
	Hyundai	8	78	0
	Hyundai	9	100	0
	Hyundai	10	156	0
	Hyundai	11	619	0

	Ics	7	10135	3
	Igm	7	44287	53
	International	2	313	6
	International	3	478	0
	International	4	69	0

	International	5	3	0
	International	6	46	0
	International	8	98	0
	International	9	2182	1
	International	10	339	1

	International	11	344	0
	Isuzu	1	91	0
	Isuzu	2	18	2
	Isuzu	3	999	0
	Isuzu	4	898	0

	Isuzu	5	43	0
	Isuzu	6	252	0
	Isuzu	8	40	0
	Isuzu	10	29	0
	Isuzu	11	24	0

	Iveco	2	33	0
	Iveco	3	92	0
	Iveco	5	31	0
	Iveco	8	17	0
	Iveco	9	48	0

Iveco	10	68	1	
Iveco	11	326	0	
Jac	1	270	0	
Jac	2	234	10	
Jac	3	8270	0	

Jac	4	11755	0	
Jac	5	639	0	
Jac	6	5027	0	
Jac	8	110	0	
Jac	9	1733	1	

Jac	10	200	0	
Jac	11	409	2	
Jeep	4	33	0	
Jeep	6	5610	0	
Jetour	6	8734	0	

Jetour	11	60	1	
Jialing	7	1478	0	
Jianshe	7	802	0	
Jieda	7	104	0	
Jinbei Haise	4	16	0	

Jinbei Haise	5	711	0	
Jinbei Haise	6	2	0	
Jinbei Haise	11	20	0	
Jincheng	7	276	0	
Jmc	2	6	0	

Jmc	3	3482	2	
Jmc	4	1395	0	
Jmc	5	164	0	
Jmc	6	26	0	
Jmc	8	4	0	

Jmc	10	17	0	
Jmc	11	29	2	
Joylong	5	212	0	
Jp1	7	120	0	
Jpm Motors	7	62	0	

Jri	7	106	0	
Juneng	7	294	1	
Kawasaki	7	2174	24	
Keeway	7	2622	3	
Kenbo	6	136	0	

Kenbo	7	241	0	
Kenworth	2	1	0	
Kenworth	3	194	1	
Kenworth	8	25	0	
Kenworth	9	3317	1	

Kenworth	10	52	0	
Kenworth	11	156	0	
Kia	1	110879	15	
Kia	2	5	1	
Kia	3	3583	3	

Kia	4	669	1	
Kia	5	8064	2	
Kia	6	80874	10	
Kia	8	3	0	
Kia	10	4	0	

Kia	11	290	4	
King Long	2	80	1	
King Long	3	2	0	
King Long	5	672	1	
King Long	11	3	0	

Kingdom	7	423	0	
Kington	7	169	0	
Kinlon	7	122	0	
Koshin Motor	7	157	0	
Ktm	7	3953	3	

Kull	7	154	0	
Kyc	3	82	0	
Kyc	4	652	0	
Kyc	5	1359	0	
Kyc	11	1	0	

Kymco	7	110	0	
Lada	1	4202	1	
Lada	4	13	0	
Lada	5	2	0	
Lada	6	2211	0	

Lamborghini	7	627	0	
Land Rover	1	198	0	
Land Rover	4	42	0	
Land Rover	6	1196	0	
Land Rover	11	18	0	

	Landwind	6	458	0
	Leapmotor	1	31	0
	Leapmotor	6	87	0
	Lexus	1	106	0
	Lexus	6	560	0

	Lexus	11	4	0
	Lifan	1	492	0
	Lifan	4	34	0
	Lifan	5	413	0
	Lifan	6	114	0

	Lifan	7	756	0
	Lingken	7	1268	0
	Lingken	9	2	0
	Livan	6	167	0
	Livan	11	1	0

	Lml	7	351	0
	Loncin	7	28178	35
	Longjia	7	122	0
	Mack	3	266	1
	Mack	8	63	0

	Mack	9	1224	6
	Mack	10	1053	2
	Mack	11	854	0
	Mahindra	4	658	0
	Mahindra	6	108	0

	Mahindra	11	1	0
	Man	2	14	0
	Man	3	91	0
	Man	8	3	0
	Man	9	189	0

	Man	10	175	0
	Man	11	76	3
	Maserati	1	6	0
	Maserati	6	95	0
	Maxus	3	65	0

	Maxus	4	305	0
	Maxus	6	46	0
	Maxus	7	4	0
	Maxus	11	6	0
	Mazda	1	18985	2

Mazda	2	1	0	
Mazda	3	160	1	
Mazda	4	84050	14	
Mazda	5	345	0	
Mazda	6	12952	1	

Mazda	8	1	0	
Mazda	11	140	2	
Mecaniza	7	286	0	
Mercedes Benz	1	3864	1	
Mercedes Benz	2	2964	96	

Mercedes Benz	3	2314	1	
Mercedes Benz	4	24	0	
Mercedes Benz	5	357	6	
Mercedes Benz	6	1623	0	
Mercedes Benz	8	184	0	

Mercedes Benz	9	1139	0	
Mercedes Benz	10	1349	2	
Mercedes Benz	11	868	5	
Mercury	1	46	0	
Mercury	3	3	0	

Mercury	4	14	0	
Mercury	5	2	0	
Mercury	6	10	0	
Mg	1	311	1	
Mg	6	1638	0	

Mg	11	31	0	
Micargi	7	267	0	
Mini	1	291	0	
Mini	6	78	0	
Mitsubishi	1	5322	1	

Mitsubishi	2	406	16	
Mitsubishi	3	7464	1	
Mitsubishi	4	10180	2	
Mitsubishi	5	459	0	
Mitsubishi	6	13453	1	

Mitsubishi	8	43	0	
Mitsubishi	9	7	0	
Mitsubishi	10	88	0	
Mitsubishi	11	166	0	
Moto Plus	7	134	0	

	Motor Uno	7	44322	43
	Mz Bikes	7	195	1
	Nanfang	7	61	0
	Nimbus	7	613	0
	Nissan	1	43225	15

	Nissan	2	45	4
	Nissan	3	970	0
	Nissan	4	31955	5
	Nissan	5	1170	2
	Nissan	6	31025	1

	Nissan	8	86	0
	Nissan	9	57	0
	Nissan	10	695	2
	Nissan	11	340	1
	Okazaki	7	140	0

	Opel	1	436	0
	Opel	4	150	0
	Opel	5	7	0
	Opel	6	243	0
	Opel	11	3	0

	Orion	7	246	0
	Oromoto	7	4540	2
	Osaka	7	60	0
	Otras marcas	1	943	6
	Otras marcas	2	156	4

	Otras marcas	3	672	1
	Otras marcas	4	593	0
	Otras marcas	5	265	0
	Otras marcas	6	760	3
	Otras marcas	7	4312	29

	Otras marcas	8	21	0
	Otras marcas	9	178	0
	Otras marcas	10	223	0
	Otras marcas	11	258	30
	Pegasso	7	3600	4

	Pegasso	10	5	0
	Pegasso	11	4	0
	Peterbilt	3	15	0
	Peterbilt	8	2	0
	Peterbilt	9	110	0

Peterbilt	10	4	0	
Peterbilt	11	14	0	
Peugeot	1	9190	1	
Peugeot	4	586	0	
Peugeot	5	179	0	

Peugeot	6	4129	0	
Peugeot	7	1	0	
Peugeot	11	6	0	
Piaggio	7	303	2	
Pontiac	1	100	0	

Porsche	1	228	0	
Porsche	6	446	0	
Porsche	11	10	0	
Qingqi	7	3370	1	
Qmc	1	66	0	

Qmc	2	9	0	
Qmc	3	1111	2	
Qmc	4	48	0	
Qmc	6	171	0	
Qmc	7	5805	1	

Qmc	8	5	0	
Qmc	9	5	0	
Qmc	10	2	0	
Qmc	11	19	0	
Ram	4	2352	0	

Ram	6	3	0	
Ram	11	80	0	
Ranger	7	51407	75	
Rcj	7	166	0	
Renault	1	39157	6	

Renault	3	12	1	
Renault	4	17	0	
Renault	5	14	0	
Renault	6	14812	2	
Renault	8	8	0	

Renault	9	29	0	
Renault	10	48	0	
Renault	11	81	0	
Royal Enfield	7	1788	0	
Sachs	1	4	0	

	Sachs	6	1	0
	Sachs	7	130	0
	Saehan	1	15	0
	Saehan	4	210	0
	Saic Wuling	4	76	0

	Saic Wuling	5	487	0
	Sanya	7	1719	0
	Scania	2	777	1
	Scania	3	190	0
	Scania	8	19	0

	Scania	9	191	0
	Scania	10	55	0
	Scania	11	65	0
	Scorpa	7	183	1
	Seat	1	112	0

	Seat	6	1	0
	Senke	7	261	0
	Shacman	3	63	0
	Shacman	8	7	0
	Shacman	9	157	0

	Shacman	10	103	0
	Shacman	11	22	0
	Shineray	5	3400	0
	Shineray	6	9654	0
	Shineray	7	124653	136

	Shineray	11	23	1
	Sinai	7	63	0
	Sinotruk	2	101	2
	Sinotruk	3	3004	1
	Sinotruk	6	391	0

	Sinotruk	8	151	0
	Sinotruk	9	1034	1
	Sinotruk	10	708	0
	Sinotruk	11	96	2
	Sinski	7	106	0

	Skoda	1	9134	3
	Skoda	4	416	0
	Skoda	5	13	0
	Skoda	6	604	0
	Skygo	7	602	0

Skywell	2	1	1	
Skywell	6	136	0	
Sonlink	7	621	3	
Soueast	1	355	0	
Soueast	6	5412	0	

Soueast	11	3	0	
Speed Fire	7	40	0	
Ssangyong	1	21	0	
Ssangyong	4	171	0	
Ssangyong	5	6	0	

Ssangyong	6	691	0	
Stiff 150	6	3	0	
Stiff 150	7	1735	0	
Subaru	1	387	0	
Subaru	6	301	0	

Sukida	7	16036	12	
Suzuki	1	24494	2	
Suzuki	4	52	0	
Suzuki	5	373	0	
Suzuki	6	52972	4	

Suzuki	7	103085	22	
Suzuki	11	58	0	
Sym	7	149	0	
Tata	1	197	0	
Tata	3	36	0	

Tata	4	141	3	
Tata	6	9	0	
Tata	9	25	0	
Tata	10	45	0	
Tata	11	20	1	

Tekno	7	3018	1	
Thunder	7	18050	9	
Tianye	4	351	0	
Tianye	6	1	0	
Toyota	1	32564	6	

Toyota	2	47	3	
Toyota	3	1494	0	
Toyota	4	80339	8	
Toyota	5	1860	1	
Toyota	6	52510	8	

Toyota	8	13	0	
Toyota	10	9	0	
Toyota	11	103	5	
Traxx	7	3463	2	
Triumph	1	34	0	

Triumph	7	218	0	
Tuko	7	30170	35	
Tundra	7	29183	4	
Tvs	7	10737	13	
Ud Trucks	3	331	0	

Ud Trucks	8	31	0	
Ud Trucks	9	78	0	
Ud Trucks	10	290	0	
Ud Trucks	11	148	0	
Um	7	2793	5	

Ventura	5	135	0	
Vespa	7	963	0	
Vgv	6	160	0	
Voge	7	185	0	
Volkswagen	1	36804	8	

Volkswagen	2	2758	46	
Volkswagen	3	375	0	
Volkswagen	4	5219	2	
Volkswagen	5	969	5	
Volkswagen	6	7189	0	

Volkswagen	8	46	0	
Volkswagen	9	62	0	
Volkswagen	10	199	0	
Volkswagen	11	182	2	
Volvo	1	892	0	

Volvo	2	193	1	
Volvo	3	64	0	
Volvo	4	2	0	
Volvo	6	244	0	
Volvo	8	7	0	

Volvo	9	254	1	
Volvo	10	145	0	
Volvo	11	60	0	
Vycast	7	1052	0	
Western Star	3	9	0	

Western Star	9	196	0	
Western Star	10	3	0	
Western Star	11	3	0	
Willys	4	24	0	
Willys	6	318	0	

Xgjao	7	197	0	
Yamaha	7	50300	38	
Yamaha	11	1	0	
Yasaki	7	158	0	
Yutong	2	622	0	

Yutong	11	1	0	
Z1	7	10293	0	
Zanya	7	181	0	
Zhongtong	2	147	2	
Zitro	7	601	4	

Zongshen	7	6480	10	
Zontes	7	366	0	
Zotye	1	1079	0	
Zotye	6	1767	0	
Zx Auto	4	2873	2	

Zx Auto	6	22	0	
-----+				

Note: 24 strata with only 1 complete record

Note: 45 strata with 2-5 complete records

WARNING: When the <command> option is not selected
then no analysis is performed on the imputed datasets

```
.
.
.
.
. clear

.
. use p1

.
. rename pasajerosf pas1

.
. save, replace
```

file p1.dta saved

.

.

.

. clear

.

. use p2

.

. rename pasajerosf pas2

.

. save, replace

file p2.dta saved

.

.

.

. clear

.

. use p3

.

. rename pasajerosf pas3

.

. save, replace

file p3.dta saved

.

.

.

. clear

.

. use p4

.

. rename pasajerosf pas4

.

. save, replace

file p4.dta saved

.


```

.
.
. clear

.
. use p5

.
. rename pasajerosf pas5

.
. save, replace
file p5.dta saved

.
.
.
. clear

.
. use vm24imp

.
. merge 1:1 PLACA using p1, nogen
(label marca already defined)

```

Result	# of obs.
not matched	0
matched	3,139,395

```

.
. merge 1:1 PLACA using p2, nogen
(label marca already defined)

```

Result	# of obs.
not matched	0
matched	3,139,395

```

.
. merge 1:1 PLACA using p3, nogen
(label marca already defined)

```

Result	# of obs.
--------	-----------

not matched	0
matched	3,139,395

```
.
. merge 1:1 PLACA using p4, nogen
(label marca already defined)
```

Result	# of obs.
<hr/>	
not matched	0
matched	3,139,395

```
.
. merge 1:1 PLACA using p5, nogen
(label marca already defined)
```

Result	# of obs.
<hr/>	
not matched	0
matched	3,139,395

```
.
.
.
. egen pasajeros_imp = rowmean(pas1 pas2 pas3 pas4 pas5)
```

```
.
. gen pasajeros = round(pasajeros_imp)
```

```
.
.
.
. label variable pasajeros "Capacidad de pasajeros"
```

```
.
.
.
. drop pas1 pas2 pas3 pas4 pas5 pasajeros_imp
```

```
.
.
.
. ***GRUPOS DE CAPACIDAD DE PASAJEROS***
```

```
.
```

```
.
.
. recode pasajeros (0/10=1) (11/20=2) (21/30=3) (31/40=4) (41/max=5), gen(estrapasajero)
(2925150 differences between pasajeros and estrapasajero)
```

```
.
.
.
. tabulate estrapasajero
```

```
RECODE of |
pasajeros |
(Capacidad |
de |
pasajeros) |   Freq.   Percent   Cum.
-----+-----
  1 | 3,069,607    97.78    97.78
  2 |   42,703     1.36    99.14
  3 |    2,944     0.09    99.23
  4 |    6,932     0.22    99.45
  5 |   17,209     0.55   100.00
-----+-----
Total | 3,139,395   100.00
```

```
.
.
.
. *definir label grupos de pasajeros**/
```

```
.
. #delimit ;
Unknown #command
```

```
.
. label define estrapasajero
invalid syntax
r(198);
```

```
.
. 1 "1 A 10"
1 is not a valid command name
r(199);
```

```
.
. 2 "11 A 20"
2 is not a valid command name
r(199);
```

```
.  
. 3 "21 A 30"  
3 is not a valid command name  
r(199);
```

```
.  
. 4 "31 A 40"  
4 is not a valid command name  
r(199);
```

```
.  
. 5 "41 Y Mas" ;  
5 is not a valid command name  
r(199);
```

```
.  
. #delimit cr  
Unknown #command
```

```
.  
.  
.  
. label values estrapasajero estrapasajero
```

```
.  
.  
.  
. label variable estrapasajero "Grupos de capacidad de pasajeros"
```

```
.  
.  
.  
.  
.  
.  
. save vm24imp, replace  
file vm24imp.dta saved
```

```
.  
.  
.  
. ****IMPUTACIÓN CAPACIDAD DE CARGA****
```

```
.  
.  
.  
. clear
```

```
.
```

```
. use vm24imp

.
.
.
. hotdeck tonelajefn using c, store by(marca clase24) impute(5) seed(1) keep(PLACA
tonelajefn)
Seed is set as 2
DELETING all matrices....
```

Missing Patterns

Table of the Missing data patterns

* signifies missing and - is not missing

Varlist order: tonelajefn

Missing			
pattern	Freq.	Percent	Cum.
-----+			
*	2,537	0.08	0.08
-	3,136,858	99.92	100.00
-----+			
Total	3,139,395	100.00	

STRATUM information

Listing the number observed (No_obs) and
the number missing (No_miss) in each stratum

+-----+				
	marca	clase24	No_obs	No_miss

	Agrale	2	129	0
	Agrale	3	8	0
	Agrale	4	1	0
	Agrale	7	1	0
	Agrale	11	1	0

	Akt	7	6054	13
	Alfa Romeo	1	150	1
	Amazon	7	152	0
	Aprilia	7	423	0
	Asia	2	4	0

	Asia	3	10	1

	Asia	4	13	0	
	Asia	5	230	0	
	Asia	6	11	0	
	Asia	9	4	0	

	Asia	10	4	0	
	Atul	7	924	0	
	Audi	1	1185	0	
	Audi	6	1530	3	
	Audi	11	27	5	

	Austin	1	634	0	
	Austin	4	134	0	
	Austin	6	6	0	
	Axxo	7	13656	4	
	Baic	1	133	0	

	Baic	6	2115	0	
	Baic	11	3	0	
	Bajaj	7	60720	28	
	Baw	2	2	0	
	Baw	3	84	0	

	Baw	4	12	0	
	Baw	5	8	0	
	Beiben	3	37	0	
	Beiben	8	6	0	
	Beiben	9	213	0	

	Beiben	10	78	0	
	Beiben	11	37	0	
	Benelli	7	7639	6	
	Bera	7	351	0	
	Bma	7	165	0	

	Bmw	1	3087	0	
	Bmw	6	1823	0	
	Bmw	7	1137	1	
	Bmw	11	60	0	
	Brilliance	1	6	0	

	Brilliance	6	171	0	
	Bultaco	7	8004	7	
	Byd	1	1396	0	
	Byd	2	15	0	
	Byd	5	19	0	

	Byd	6	1175	0	

	Byd	11	4	0	
	Camc	3	59	0	
	Camc	9	102	0	
	Camc	10	45	0	

	Camc	11	29	0	
	Cfmoto	7	1134	1	
	Changan	1	1481	0	
	Changan	3	16	94	
	Changan	4	1475	0	

	Changan	5	170	0	
	Changan	6	5034	0	
	Changhe	1	107	0	
	Changhe	3	6	7	
	Changhe	4	437	0	

	Changhe	5	732	0	
	Changhe	6	183	0	
	Chery	1	9039	2	
	Chery	3	37	1	
	Chery	4	75	0	

	Chery	5	5835	2	
	Chery	6	19639	3	
	Chery	11	41	1	
	Chevrolet	1	351940	186	
	Chevrolet	2	2202	0	

	Chevrolet	3	39671	275	
	Chevrolet	4	187328	31	
	Chevrolet	5	8978	0	
	Chevrolet	6	127851	20	
	Chevrolet	8	384	0	

	Chevrolet	9	376	1	
	Chevrolet	10	1012	0	
	Chevrolet	11	1783	7	
	Chrysler	1	157	0	
	Chrysler	5	57	0	

	Chrysler	6	29	0	
	Citroen	1	6595	0	
	Citroen	4	1110	0	
	Citroen	5	638	3	
	Citroen	6	937	0	

	Citroen	11	74	0	

	Coronel	7	338	1	
	Dacia	1	179	0	
	Dacia	4	27	0	
	Dacia	5	5	0	

	Dacia	6	77	0	
	Daewoo	1	8314	1	
	Daewoo	3	4	2	
	Daewoo	4	10	0	
	Daewoo	5	108	0	

	Daewoo	6	41	0	
	Daewoo	11	18	1	
	Daf	3	18	0	
	Daf	8	3	0	
	Daf	9	194	0	

	Daf	10	15	0	
	Daf	11	69	0	
	Daihatsu	1	967	0	
	Daihatsu	2	6	0	
	Daihatsu	3	3136	32	

	Daihatsu	4	439	0	
	Daihatsu	5	57	0	
	Daihatsu	6	2904	0	
	Daihatsu	8	8	0	
	Daihatsu	10	6	0	

	Daihatsu	11	16	0	
	Dakar	7	109	0	
	Datsun	1	978	0	
	Datsun	4	3906	2	
	Datsun	5	5	0	

	Datsun	6	16	0	
	Dax	7	555	1	
	Dayang	1	25	0	
	Dayang	4	2	0	
	Dayang	6	61	0	

	Dayang	7	2661	0	
	Daytona	4	1	0	
	Daytona	7	70039	61	
	Dayun	3	34	0	
	Dayun	4	44	0	

	Dayun	7	1573	1	

	Dayun	9	21	0	
	Dayun	10	11	0	
	Dayun	11	6	0	
	Dfsk	4	1968	0	

	Dfsk	5	3588	1	
	Dfsk	6	8171	0	
	Dfsk	11	22	0	
	Dodge	1	146	1	
	Dodge	3	37	3	

	Dodge	4	381	0	
	Dodge	5	60	0	
	Dodge	6	760	0	
	Dodge	11	33	0	
	Dongfeng	1	280	0	

	Dongfeng	2	86	0	
	Dongfeng	3	1778	3	
	Dongfeng	4	3788	0	
	Dongfeng	5	561	0	
	Dongfeng	6	2094	0	

	Dongfeng	8	34	0	
	Dongfeng	9	162	0	
	Dongfeng	10	250	1	
	Dongfeng	11	15	0	
	Ducar	7	209	0	

	Ducati	7	282	0	
	Dukare	7	24494	15	
	Enranger	4	5	0	
	Enranger	6	137	0	
	Explorer	7	56	0	

	Factory	7	9559	19	
	Faw	1	7	0	
	Faw	2	27	0	
	Faw	3	678	7	
	Faw	4	69	0	

	Faw	5	798	0	
	Faw	6	982	2	
	Faw	8	4	0	
	Faw	9	173	0	
	Faw	10	69	0	

	Faw	11	31	0	

	Fengchi	7	230	0	
	Fiat	1	9644	2	
	Fiat	3	9	20	
	Fiat	4	1834	0	

	Fiat	5	32	0	
	Fiat	6	1260	0	
	Fiat	8	1	0	
	Fiat	10	6	0	
	Fiat	11	8	0	

	Foday	4	130	0	
	Foday	6	16	0	
	Foday	11	1	0	
	Ford	1	5798	0	
	Ford	2	60	0	

	Ford	3	2305	71	
	Ford	4	35085	13	
	Ford	5	498	0	
	Ford	6	24735	4	
	Ford	8	173	0	

	Ford	9	139	1	
	Ford	10	493	2	
	Ford	11	902	1	
	Formosa	7	1235	0	
	Foton	2	5	0	

	Foton	3	1922	3	
	Foton	4	1258	2	
	Foton	5	2806	6	
	Foton	6	26	0	
	Foton	8	32	0	

	Foton	9	357	0	
	Foton	10	39	0	
	Foton	11	153	0	
	Freightliner	3	184	1	
	Freightliner	8	50	0	

	Freightliner	9	1712	3	
	Freightliner	10	131	0	
	Freightliner	11	166	0	
	Fuso	2	7	0	
	Fuso	3	1144	0	

	Fuso	8	13	0	

	Fuso	10	1	0	
	Fuso	11	32	0	
	Gac	1	91	0	
	Gac	6	1564	0	

	Gac	11	1	0	
	Galardi	7	1914	0	
	Geely	1	89	0	
	Geely	4	1	0	
	Geely	6	661	0	

	Geely	7	21	0	
	Gmc	1	15	0	
	Gmc	2	2	0	
	Gmc	3	54	5	
	Gmc	4	464	0	

	Gmc	5	34	0	
	Gmc	6	350	0	
	Gmc	8	5	0	
	Gmc	9	7	0	
	Gmc	10	15	0	

	Gmc	11	21	0	
	Gne 200	7	1446	5	
	Golden Dragon	2	84	0	
	Golden Dragon	5	970	0	
	Golden Dragon	11	1	0	

	Great Wall	1	4304	0	
	Great Wall	4	24546	4	
	Great Wall	6	18622	0	
	Great Wall	11	67	0	
	Haojue	7	2263	6	

	Harlem Dayton	7	58	0	
	Harley Davidson	7	445	0	
	Hero	7	3766	0	
	Higer	2	34	0	
	Higer	5	187	0	

	Higer	11	1	1	
	Hino	2	14535	1	
	Hino	3	40568	17	
	Hino	8	961	0	
	Hino	9	1517	1	

	Hino	10	4259	4	

	Hino	11	2215	0	
	Honda	1	2511	1	
	Honda	4	27	0	
	Honda	5	94	1	

	Honda	6	4560	3	
	Honda	7	53533	36	
	Honda	11	25	0	
	Husqvarna	7	519	1	
	Hussar	7	217	0	

	Hyundai	1	91978	29	
	Hyundai	2	1359	0	
	Hyundai	3	8274	162	
	Hyundai	4	224	0	
	Hyundai	5	11149	4	

	Hyundai	6	60896	4	
	Hyundai	8	78	0	
	Hyundai	9	100	0	
	Hyundai	10	156	0	
	Hyundai	11	619	0	

	Ics	7	10134	4	
	Igm	7	44286	54	
	International	2	319	0	
	International	3	477	1	
	International	4	69	0	

	International	5	3	0	
	International	6	46	0	
	International	8	98	0	
	International	9	2182	1	
	International	10	338	2	

	International	11	344	0	
	Isuzu	1	91	0	
	Isuzu	2	20	0	
	Isuzu	3	986	13	
	Isuzu	4	897	1	

	Isuzu	5	43	0	
	Isuzu	6	252	0	
	Isuzu	8	40	0	
	Isuzu	10	29	0	
	Isuzu	11	24	0	

	Iveco	2	33	0	

	Iveco	3	92	0	
	Iveco	5	22	9	
	Iveco	8	17	0	
	Iveco	9	48	0	

	Iveco	10	69	0	
	Iveco	11	326	0	
	Jac	1	270	0	
	Jac	2	244	0	
	Jac	3	8266	4	

	Jac	4	11755	0	
	Jac	5	639	0	
	Jac	6	5027	0	
	Jac	8	110	0	
	Jac	9	1734	0	

	Jac	10	200	0	
	Jac	11	409	2	
	Jeep	4	33	0	
	Jeep	6	5609	1	
	Jetour	6	8730	4	

	Jetour	11	60	1	
	Jialing	7	1478	0	
	Jianshe	7	802	0	
	Jieda	7	104	0	
	Jinbei Haise	4	16	0	

	Jinbei Haise	5	711	0	
	Jinbei Haise	6	2	0	
	Jinbei Haise	11	20	0	
	Jincheng	7	276	0	
	Jmc	2	6	0	

	Jmc	3	3482	2	
	Jmc	4	1395	0	
	Jmc	5	164	0	
	Jmc	6	26	0	
	Jmc	8	4	0	

	Jmc	10	17	0	
	Jmc	11	29	2	
	Joylong	5	211	1	
	Jp1	7	120	0	
	Jpm Motors	7	62	0	

	Jri	7	106	0	

	Juneng	7	294	1	
	Kawasaki	7	2198	0	
	Keeway	7	2622	3	
	Kenbo	6	136	0	

	Kenbo	7	241	0	
	Kenworth	2	1	0	
	Kenworth	3	195	0	
	Kenworth	8	25	0	
	Kenworth	9	3310	8	

	Kenworth	10	52	0	
	Kenworth	11	156	0	
	Kia	1	110878	16	
	Kia	2	6	0	
	Kia	3	3413	173	

	Kia	4	669	1	
	Kia	5	8065	1	
	Kia	6	80865	19	
	Kia	8	3	0	
	Kia	10	4	0	

	Kia	11	290	4	
	King Long	2	81	0	
	King Long	3	2	0	
	King Long	5	673	0	
	King Long	11	3	0	

	Kingdom	7	423	0	
	Kington	7	169	0	
	Kinlon	7	122	0	
	Koshin Motor	7	157	0	
	Ktm	7	3954	2	

	Kull	7	154	0	
	Kyc	3	81	1	
	Kyc	4	652	0	
	Kyc	5	1359	0	
	Kyc	11	1	0	

	Kymco	7	110	0	
	Lada	1	4202	1	
	Lada	4	13	0	
	Lada	5	2	0	
	Lada	6	2210	1	

	Lamborbini	7	627	0	

	Land Rover	1	198	0	
	Land Rover	4	42	0	
	Land Rover	6	1196	0	
	Land Rover	11	18	0	

	Landwind	6	458	0	
	Leapmotor	1	31	0	
	Leapmotor	6	87	0	
	Lexus	1	106	0	
	Lexus	6	560	0	

	Lexus	11	4	0	
	Lifan	1	492	0	
	Lifan	4	34	0	
	Lifan	5	412	1	
	Lifan	6	114	0	

	Lifan	7	756	0	
	Lingken	7	1268	0	
	Lingken	9	2	0	
	Livan	6	167	0	
	Livan	11	1	0	

	Lml	7	351	0	
	Loncin	7	28177	36	
	Longjia	7	122	0	
	Mack	3	266	1	
	Mack	8	63	0	

	Mack	9	1223	7	
	Mack	10	1053	2	
	Mack	11	854	0	
	Mahindra	4	658	0	
	Mahindra	6	108	0	

	Mahindra	11	1	0	
	Man	2	14	0	
	Man	3	91	0	
	Man	8	3	0	
	Man	9	189	0	

	Man	10	175	0	
	Man	11	79	0	
	Maserati	1	6	0	
	Maserati	6	95	0	
	Maxus	3	64	1	

	Maxus	4	305	0	

	Maxus	6	46	0	
	Maxus	7	4	0	
	Maxus	11	6	0	
	Mazda	1	18975	12	

	Mazda	2	1	0	
	Mazda	3	95	66	
	Mazda	4	84052	12	
	Mazda	5	345	0	
	Mazda	6	12952	1	

	Mazda	8	1	0	
	Mazda	11	140	2	
	Mecaniza	7	286	0	
	Mercedes Benz	1	3863	2	
	Mercedes Benz	2	3060	0	

	Mercedes Benz	3	2314	1	
	Mercedes Benz	4	24	0	
	Mercedes Benz	5	358	5	
	Mercedes Benz	6	1623	0	
	Mercedes Benz	8	184	0	

	Mercedes Benz	9	1138	1	
	Mercedes Benz	10	1351	0	
	Mercedes Benz	11	868	5	
	Mercury	1	46	0	
	Mercury	3	3	0	

	Mercury	4	14	0	
	Mercury	5	2	0	
	Mercury	6	10	0	
	Mg	1	311	1	
	Mg	6	1638	0	

	Mg	11	31	0	
	Micargi	7	267	0	
	Mini	1	291	0	
	Mini	6	78	0	
	Mitsubishi	1	5322	1	

	Mitsubishi	2	422	0	
	Mitsubishi	3	7430	35	
	Mitsubishi	4	10180	2	
	Mitsubishi	5	457	2	
	Mitsubishi	6	13451	3	

	Mitsubishi	8	43	0	

	Mitsubishi	9	7	0	
	Mitsubishi	10	88	0	
	Mitsubishi	11	166	0	
	Moto Plus	7	134	0	

	Motor Uno	7	44320	45	
	Mz Bikes	7	195	1	
	Nanfang	7	61	0	
	Nimbus	7	613	0	
	Nissan	1	43233	7	

	Nissan	2	49	0	
	Nissan	3	881	89	
	Nissan	4	31953	7	
	Nissan	5	1172	0	
	Nissan	6	31022	4	

	Nissan	8	86	0	
	Nissan	9	56	1	
	Nissan	10	695	2	
	Nissan	11	340	1	
	Okazaki	7	140	0	

	Opel	1	436	0	
	Opel	4	150	0	
	Opel	5	7	0	
	Opel	6	243	0	
	Opel	11	3	0	

	Orion	7	246	0	
	Oromoto	7	4540	2	
	Osaka	7	60	0	
	Otras marcas	1	942	7	
	Otras marcas	2	158	2	

	Otras marcas	3	660	13	
	Otras marcas	4	592	1	
	Otras marcas	5	265	0	
	Otras marcas	6	759	4	
	Otras marcas	7	4313	28	

	Otras marcas	8	21	0	
	Otras marcas	9	177	1	
	Otras marcas	10	223	0	
	Otras marcas	11	260	28	
	Pegasso	7	3599	5	

	Pegasso	10	5	0	

	Pegasso	11	4	0	
	Peterbilt	3	15	0	
	Peterbilt	8	2	0	
	Peterbilt	9	109	1	

	Peterbilt	10	4	0	
	Peterbilt	11	14	0	
	Peugeot	1	9190	1	
	Peugeot	4	586	0	
	Peugeot	5	179	0	

	Peugeot	6	4129	0	
	Peugeot	7	1	0	
	Peugeot	11	6	0	
	Piaggio	7	303	2	
	Pontiac	1	100	0	

	Porsche	1	228	0	
	Porsche	6	446	0	
	Porsche	11	10	0	
	Qingqi	7	3370	1	
	Qmc	1	65	1	

	Qmc	2	9	0	
	Qmc	3	1111	2	
	Qmc	4	48	0	
	Qmc	6	171	0	
	Qmc	7	5806	0	

	Qmc	8	5	0	
	Qmc	9	5	0	
	Qmc	10	2	0	
	Qmc	11	19	0	
	Ram	4	2352	0	

	Ram	6	3	0	
	Ram	11	80	0	
	Ranger	7	51442	40	
	Rcj	7	166	0	
	Renault	1	39158	5	

	Renault	3	13	0	
	Renault	4	17	0	
	Renault	5	14	0	
	Renault	6	14812	2	
	Renault	8	8	0	

	Renault	9	28	1	

	Renault	10	48	0	
	Renault	11	81	0	
	Royal Enfield	7	1788	0	
	Sachs	1	4	0	

	Sachs	6	1	0	
	Sachs	7	129	1	
	Saehan	1	15	0	
	Saehan	4	210	0	
	Saic Wuling	4	76	0	

	Saic Wuling	5	487	0	
	Sanya	7	1719	0	
	Scania	2	778	0	
	Scania	3	190	0	
	Scania	8	19	0	

	Scania	9	191	0	
	Scania	10	55	0	
	Scania	11	65	0	
	Scorpa	7	183	1	
	Seat	1	112	0	

	Seat	6	1	0	
	Senke	7	261	0	
	Shacman	3	63	0	
	Shacman	8	7	0	
	Shacman	9	157	0	

	Shacman	10	103	0	
	Shacman	11	22	0	
	Shineray	5	3400	0	
	Shineray	6	9654	0	
	Shineray	7	124653	136	

	Shineray	11	23	1	
	Sinai	7	63	0	
	Sinotruk	2	103	0	
	Sinotruk	3	3004	1	
	Sinotruk	6	391	0	

	Sinotruk	8	151	0	
	Sinotruk	9	1035	0	
	Sinotruk	10	708	0	
	Sinotruk	11	96	2	
	Sinski	7	106	0	

	Skoda	1	9136	1	

	Skoda	4	416	0	
	Skoda	5	13	0	
	Skoda	6	604	0	
	Skygo	7	602	0	

	Skywell	2	2	0	
	Skywell	6	136	0	
	Sonlink	7	621	3	
	Soueast	1	355	0	
	Soueast	6	5412	0	

	Soueast	11	3	0	
	Speed Fire	7	40	0	
	Ssangyong	1	21	0	
	Ssangyong	4	171	0	
	Ssangyong	5	6	0	

	Ssangyong	6	691	0	
	Stiff 150	6	3	0	
	Stiff 150	7	1735	0	
	Subaru	1	387	0	
	Subaru	6	301	0	

	Sukida	7	16035	13	
	Suzuki	1	24492	4	
	Suzuki	4	52	0	
	Suzuki	5	373	0	
	Suzuki	6	52973	3	

	Suzuki	7	103089	18	
	Suzuki	11	58	0	
	Sym	7	149	0	
	Tata	1	197	0	
	Tata	3	36	0	

	Tata	4	144	0	
	Tata	6	9	0	
	Tata	9	25	0	
	Tata	10	45	0	
	Tata	11	21	0	

	Tekno	7	3018	1	
	Thunder	7	18048	11	
	Tianye	4	351	0	
	Tianye	6	1	0	
	Toyota	1	32564	6	

	Toyota	2	50	0	

	Toyota	3	1431	63	
	Toyota	4	80333	14	
	Toyota	5	1860	1	
	Toyota	6	52513	5	

	Toyota	8	13	0	
	Toyota	10	9	0	
	Toyota	11	103	5	
	Traxx	7	3464	1	
	Triumph	1	34	0	

	Triumph	7	218	0	
	Tuko	7	30171	34	
	Tundra	7	29183	4	
	Tvs	7	10738	12	
	Ud Trucks	3	331	0	

	Ud Trucks	8	31	0	
	Ud Trucks	9	78	0	
	Ud Trucks	10	290	0	
	Ud Trucks	11	148	0	
	Um	7	2794	4	

	Ventura	5	135	0	
	Vespa	7	963	0	
	Vgv	6	160	0	
	Voge	7	185	0	
	Volkswagen	1	36802	10	

	Volkswagen	2	2804	0	
	Volkswagen	3	363	12	
	Volkswagen	4	5221	0	
	Volkswagen	5	973	1	
	Volkswagen	6	7189	0	

	Volkswagen	8	46	0	
	Volkswagen	9	60	2	
	Volkswagen	10	199	0	
	Volkswagen	11	182	2	
	Volvo	1	892	0	

	Volvo	2	194	0	
	Volvo	3	64	0	
	Volvo	4	2	0	
	Volvo	6	244	0	
	Volvo	8	7	0	

	Volvo	9	253	2	

	Volvo	10	145	0	
	Volvo	11	60	0	
	Vycast	7	1051	1	
	Western Star	3	9	0	

	Western Star	9	196	0	
	Western Star	10	3	0	
	Western Star	11	3	0	
	Willys	4	24	0	
	Willys	6	318	0	

	Xgjao	7	197	0	
	Yamaha	7	50301	37	
	Yamaha	11	1	0	
	Yasaki	7	158	0	
	Yutong	2	622	0	

	Yutong	11	1	0	
	Z1	7	10293	0	
	Zanya	7	181	0	
	Zhongtong	2	149	0	
	Zitro	7	601	4	

	Zongshen	7	6480	10	
	Zontes	7	366	0	
	Zotye	1	1079	0	
	Zotye	6	1767	0	
	Zx Auto	4	2871	4	

	Zx Auto	6	22	0	
	-----+				

Note: 23 strata with only 1 complete record

Note: 46 strata with 2-5 complete records

WARNING: When the <command> option is not selected
then no analysis is performed on the imputed datasets

```

.
.
.
. clear

.
. use c1
.

```

```
. rename tonelajefn ton1
```

```
.  
. save, replace  
file c1.dta saved
```

```
.  
.   
.   
. clear
```

```
.  
. use c2
```

```
.  
. rename tonelajefn ton2
```

```
.  
. save, replace  
file c2.dta saved
```

```
.  
.   
.   
. clear
```

```
.  
. use c3
```

```
.  
. rename tonelajefn ton3
```

```
.  
. save, replace  
file c3.dta saved
```

```
.  
.   
.   
. clear
```

```
.  
. use c4
```

```
.  
. rename tonelajefn ton4
```

```
.
```

```
. save, replace  
file c4.dta saved
```

```
.  
.  
.  
. clear
```

```
.  
. use c5
```

```
.  
. rename tonelajefn ton5
```

```
.  
. save, replace  
file c5.dta saved
```

```
.  
.  
.  
. clear
```

```
.  
. use vm24imp
```

```
.  
. merge 1:1 PLACA using c1, nogen  
(label marca already defined)
```

Result	# of obs.
not matched	0
matched	3,139,395

```
.  
. merge 1:1 PLACA using c2, nogen  
(label marca already defined)
```

Result	# of obs.
not matched	0
matched	3,139,395

```
.  
. merge 1:1 PLACA using c3, nogen
```


(label marca already defined)

Result	# of obs.
not matched	0
matched	3,139,395

.
. merge 1:1 PLACA using c4, nogen
(label marca already defined)

Result	# of obs.
not matched	0
matched	3,139,395

.
. merge 1:1 PLACA using c5, nogen
(label marca already defined)

Result	# of obs.
not matched	0
matched	3,139,395

.
.egen tonelaje = rowmean(ton1 ton2 ton3 ton4 ton5)

. label variable tonelaje "Capacidad de carga"

. drop ton1 ton2 ton3 ton4 ton5

. ***GRUPOS DE CAPACIDAD DE CARGA***

```
.
.
.
. recode tonelaje (0/3=1) (3.01/6=2) (6.01/10=3) (10.01/15=4) (15.01/max=5), gen(estratone)
(2969579 differences between tonelaje and estratone)
```

```
.
.
.
. tabulate estratone
```

```
RECODE of |
tonelaje |
(Capacidad |
de carga) |   Freq.   Percent   Cum.
-----+-----
  1 | 2,965,086   94.45   94.45
  2 |   75,280    2.40   96.85
  3 |   36,664    1.17   98.01
  4 |   29,148    0.93   98.94
  5 |   33,217    1.06  100.00
-----+-----
Total | 3,139,395  100.00
```

```
.
.
.
. *definir label grupos de capacidad de carga**///
```

```
.
. #delimit ;
Unknown #command
```

```
.
. label define estratone
invalid syntax
r(198);
```

```
.
. 1 "1/4 A 3"
1 is not a valid command name
r(199);
```

```
.
. 2 "3 1/4 A 6"
2 is not a valid command name
r(199);
```

```
.  
. 3 "6 1/4 A 10"  
3 is not a valid command name  
r(199);
```

```
.  
. 4 "10 1/4 A 15"  
4 is not a valid command name  
r(199);
```

```
.  
. 5 "15 1/4 Y Mas" ;  
5 is not a valid command name  
r(199);
```

```
.  
. #delimit cr  
Unknown #command
```

```
.  
.  
.  
. label values estratone estratone
```

```
.  
.  
.  
. label variable estratone "Grupos de capacidad de carga"
```

```
.  
.  
.  
. keep PLACA pasajeros tonelaje
```

```
.  
.  
.  
. save vm24imp, replace  
file vm24imp.dta saved
```

```
.
```