



Motor Vehicles, Road Traffic Accidents, and Traffic Volume Statistics of Indonesia

Presented by BPS-Statistics Indonesia

SESRIC webinar series
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A Glimpse of Road and Railway Traffic Statistics of Indonesia





Data Collection Methodology

Administrative Data

Motor Vehicles, Traffic Accidents, and Driving Licenses data is being compiled annually from Indonesian National Police

Railways data is being compiled every month from Indonesian Railways Company and Commuterline Indonesia Company

Survey

Bus Passengers data is being collected by BPS-Statistics Indonesia quarterly

Challenge and Future Enhancement

BPS-Statistics Indonesia commits to **enhance the automation of data interoperability** by developing **integrated system of transportation data**





TARGET	9-1
	
Develop sustainable, resilient, and inclusive infrastructures	
Indicator 9.1.2. Passengers and freight volumes, by mode of transport	

Passengers volume indicates nation's infrastructure development. BPS-Statistics Indonesia is very pleased to support the nation in terms of measuring achievements of transportation infrastructure development and passengers mobility.

Number of Motor Vehicles and Traffic Accidents



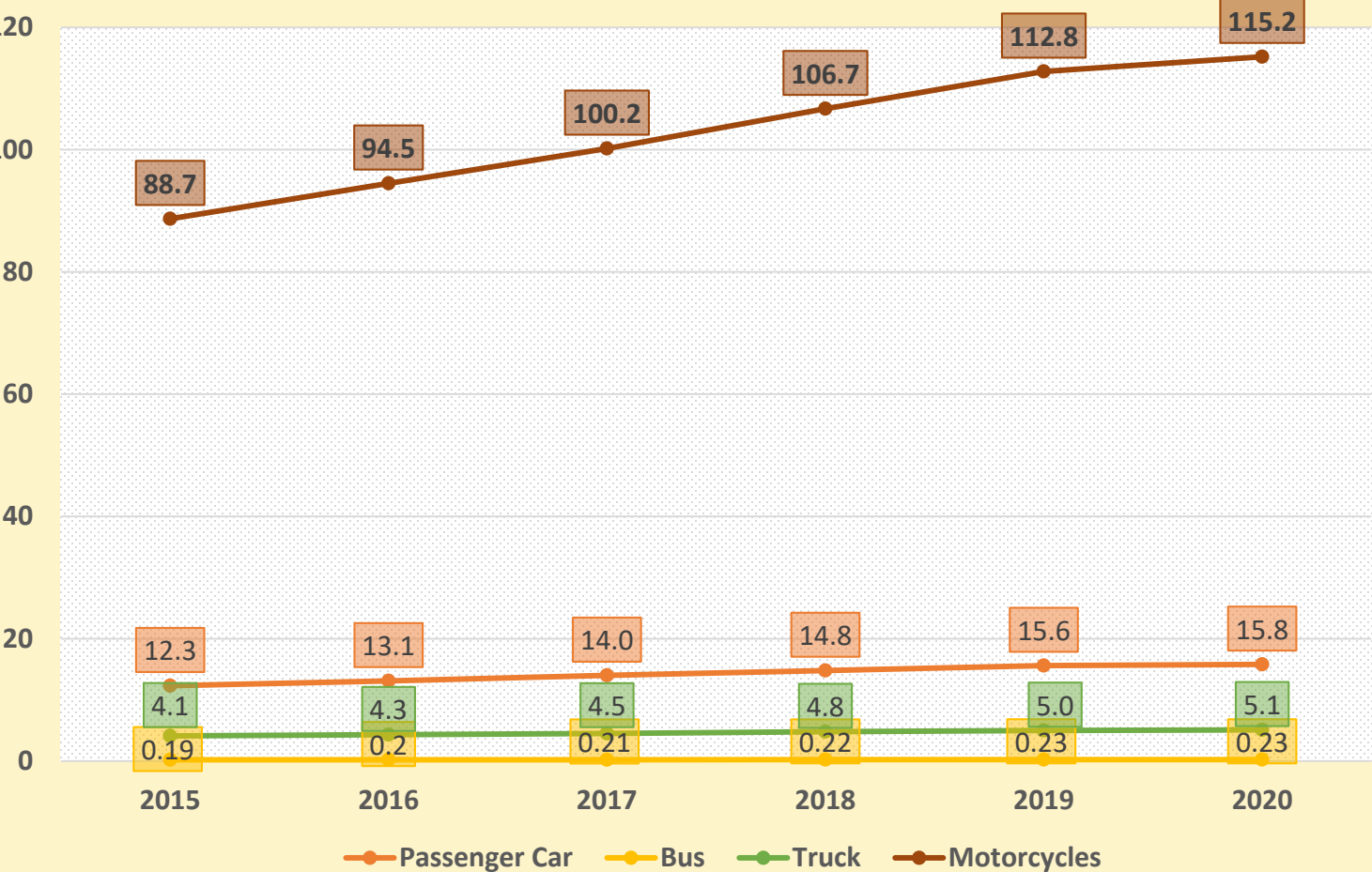
Number of Motor Vehicles by Type in 2015-2020 (units)

Type of Vehicles	2015	2016	2017	2018	2019	2020
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Passenger Car	12 304 221	13 142 958	13 968 202	14 830 698	15 592 419	15 803 933
Bus	196 309	204 512	213 359	222 872	231 569	233 406
Truck	4 145 857	4 326 731	4 540 902	4 797 254	5 021 888	5 090 625
Motorcycles	88 656 931	94 531 510	100 200 245	106 657 952	112 771 136	115 188 762
Total	105 303 318	112 205 711	118 922 708	126 508 776	133 617 012	136 316 726
Growth (%)						
		6,55	5,99	6,38	5,62	2,02

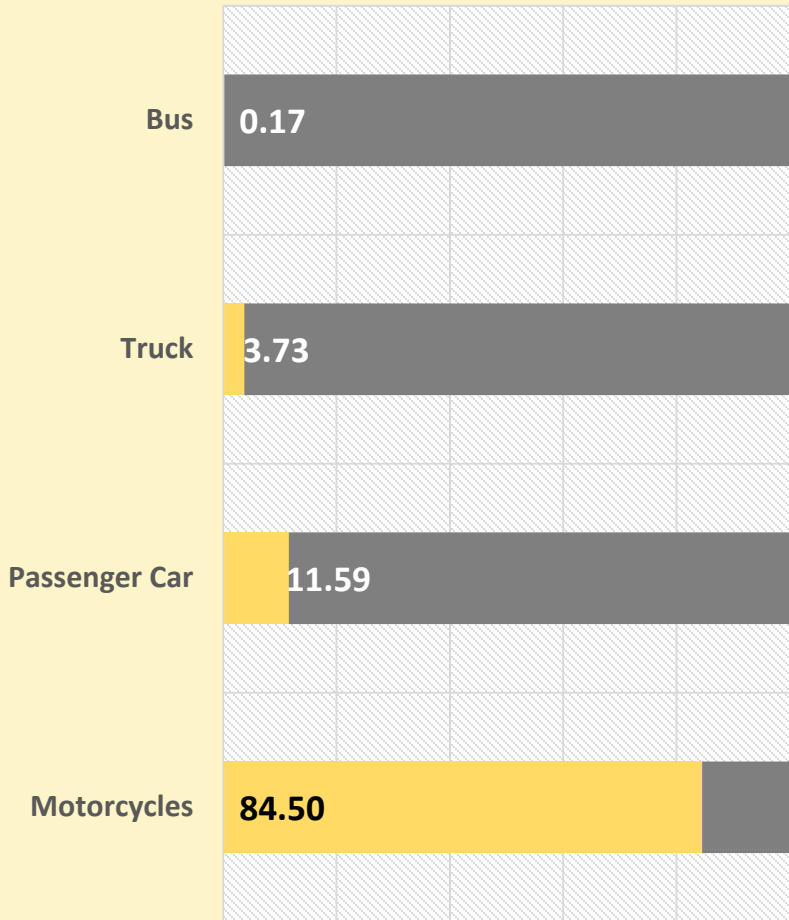
Obstacle

Unsynchronized motor vehicles' data at national and provincial levels due to disintegrated data collecting system. In the near future, Indonesian National Police **will build an automatic system to integrate data** at each levels. Therefore, the data can be updated and integrated nationally.

Number of Motor Vehicles by Type in 2015-2020 (millions units)



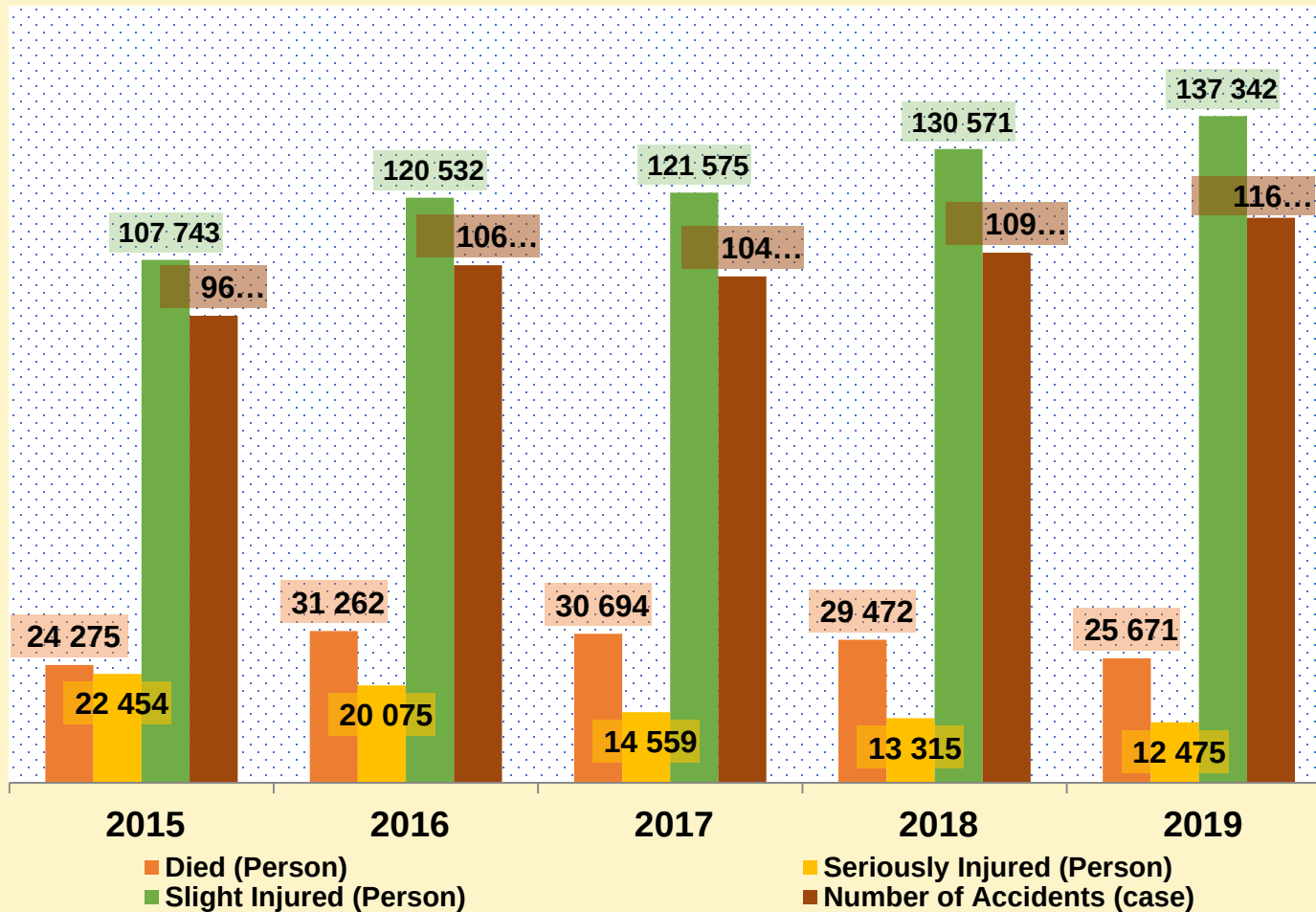
Composition of Motor Vehicles by Type in 2020 (percent)



Number of Traffic Accidents, Casualties, and Material Losses in 2015-2019

Description	2015	2016	2017	2018	2019
(1)	(2)	(3)	(4)	(5)	(6)
Number of Accidents (Case)	96 233	106 644	104 327	109 215	116 411
Died (Person)	24 275	31 262	30 694	29 472	25 671
Seriously Injured (Person)	22 454	20 075	14 559	13 315	12 475
Slight Injured (Person)	107 743	120 532	121 575	130 571	137 342
Material Loss (Million IDR)	215 892	229 137	217 031	213 866	254 779

Number of Traffic Accidents and Casualties 2015-2019



Due to 2019 traffic accidents,



14,63%
casualties died



7,11%
casualties seriously injured



78,26%
casualties slightly injured



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Railway Passengers Traffic Volume



Coverage Area of Railway Data

Indonesian Railways Company or PT Kereta Api Indonesia (Persero)

Covers **9 operating areas** (a.k.a DAOP) including all provinces in Java Island and **4 regional divisions** (a.k.a DIVRE) including provinces in Sumatra Island



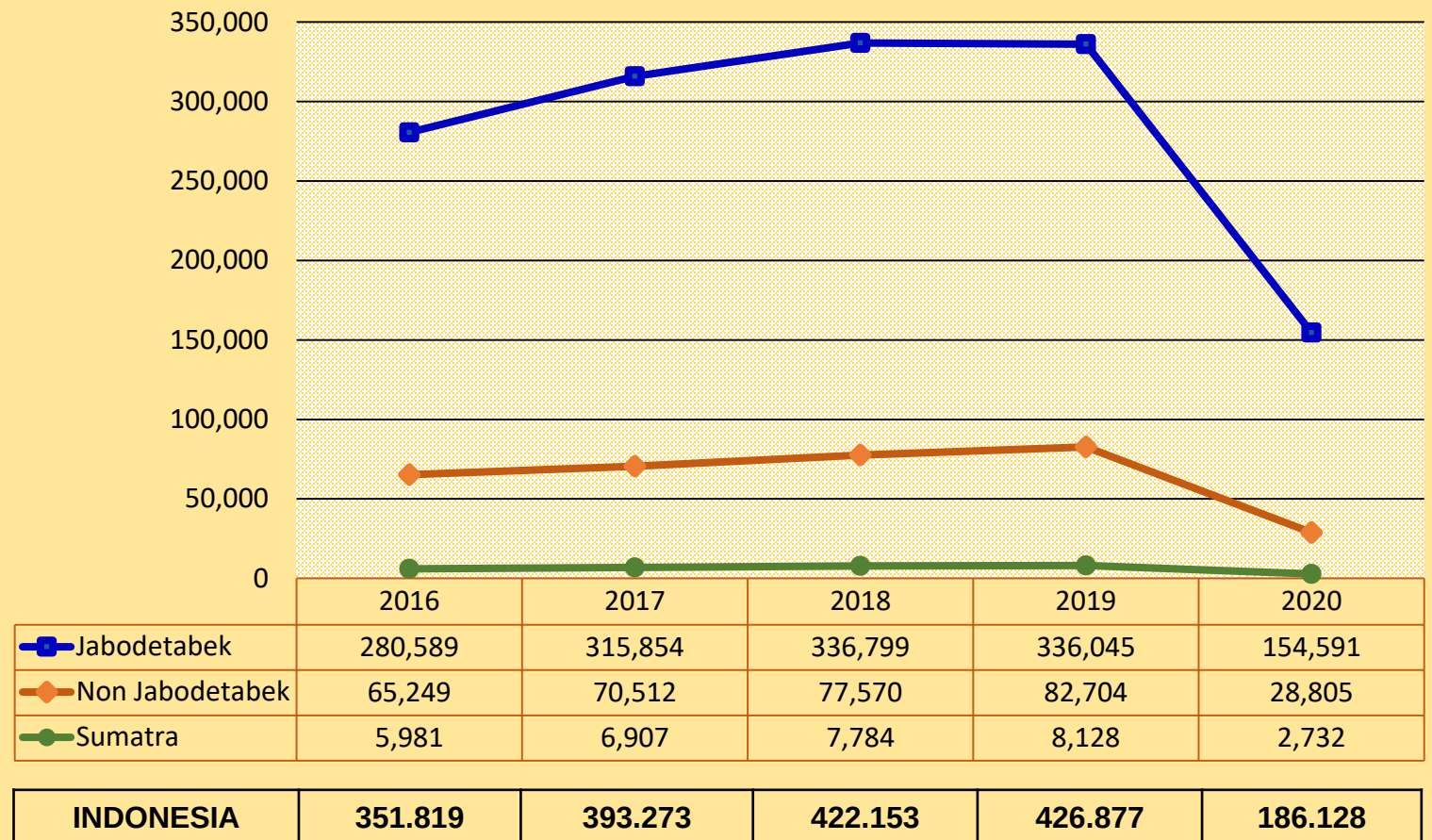
Commuterline Indonesia Company or PT Kereta Commuter Indonesia

Covers **all areas in DKI Jakarta Province** (as capital city of Indonesia) and **some areas around** including Bogor, Depok, Tangerang, and Bekasi (usually abbreviated as **Jabodetabek area**)



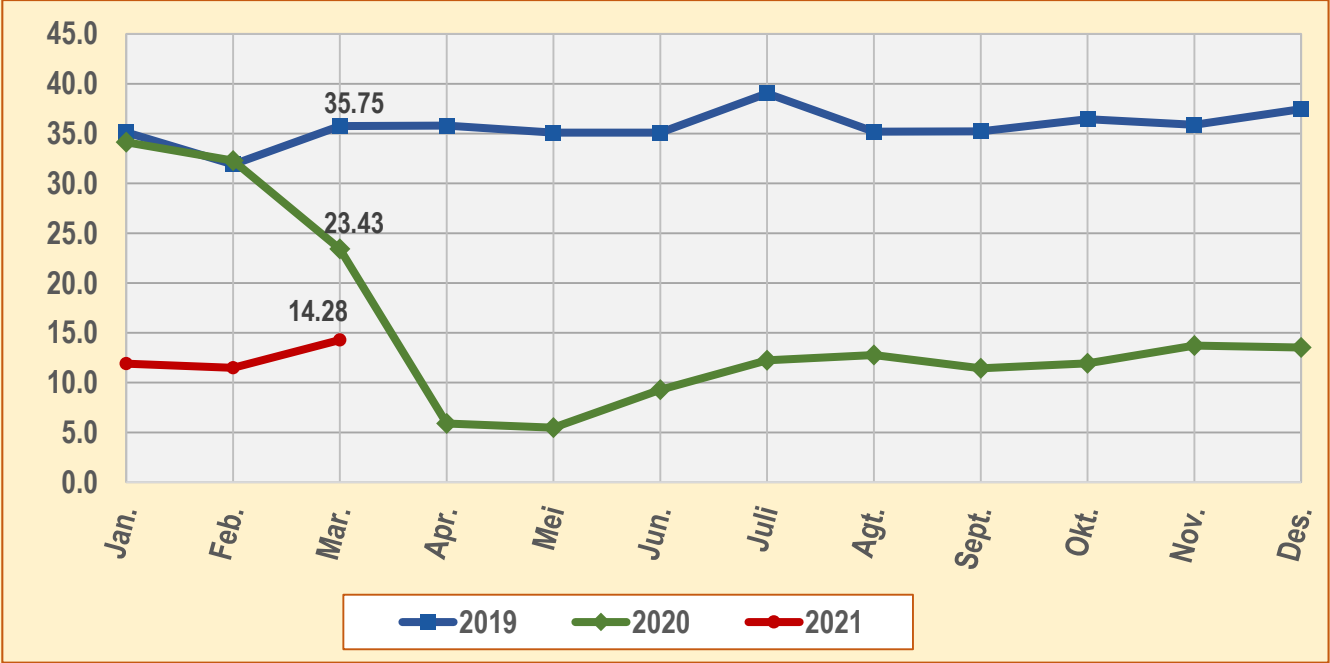


Number of Railway Passengers by Region in 2016-2020 (000 person)



Monthly Number of Railway Passengers (million person) January 2019-March 2021

Passengers (million)



Monthly Growth		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Number of passengers	2019	35,12	31,90	35,75	35,81	35,10	35,09	39,04	35,19	35,22	36,45	35,88	37,46
	2020	34,13	32,29	23,43	5,90	5,48	9,29	12,24	12,77	11,43	11,94	13,72	13,52
	2021	11,90	11,48	14,28									



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Interprovincial Bus Passengers Traffic Volume

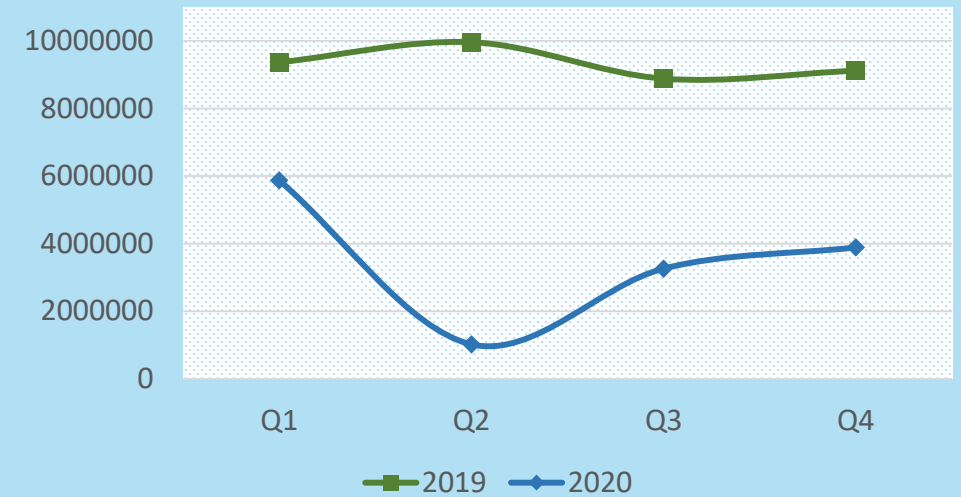


Number of Quarterly Interprovincial Bus Passengers' Arrival and Departure, 2019-2020

Quarter	Number of Busses		Number of Passengers	
	Arrival	Departure	Arrival	Departure
(1)	(2)	(3)	(4)	(5)
Q1	580 401	597 958	8 492 752	9 367 298
Q2	629 572	642 595	8 973 550	9 960 439
Q3	603 419	621 765	7 910 693	8 882 503
Q4	604 860	607 739	7 915 648	9 118 508
2019	2 418 252	2 470 057	33 292 643	37 328 748

Q1	515 690	486 128	5 768 467	5 870 868
Q2	175 545	154 491	1 465 789	1 019 880
Q3	368 661	385 487	2 952 212	3 261 762
Q4	434 873	448 252	3 448 601	3 887 386
2020	1 494 769	1 474 358	13 635 069	14 039 896

Number of Quarterly Interprovincial Bus Passengers' Departure, 2019-2020



Matrix of Interprovincial Bus Passengers' Origin and Destination by Region in 2019 (person)

Destination Origin	Sumatra	DKI Jakarta	West Java	Central Java	Yogyakarta	East Java	Banten	Bali	NTB	Borneo	Sulawesi	Others	Total
Sumatra	1 049 270	289 369	143 377	119 760	134 950	11 686		675		1 622		2 384 598	4 135 307
DKI Jakarta	177 727		144 355	566 376		447 354	20 049	114 062	95 969			1 371 825	2 937 717
West Java		209 633					55 721					1 836 830	2 102 184
Central Java	100 952	2 113 325	745 136		1 016 773	1 579 282	45 469	108 271				5 160 218	10 869 426
Yogyakarta												2 847 751	2 847 751
East Java	7 104	285 716	110 835	1 383 158	2 139 012			284 516				5 276 738	9 487 079
Banten	36 521		42 772	103 831		45 869						3 422 626	3 651 619
Bali		45 599	14 360	44 936	46 520	320 870			34 443				506 728
NTB		21 080			2 819	32 330		105				18 190	74 524
Borneo								14 147		115 757		13 774	143 678
Sulawesi											252 623	320 112	572 735
Total	1 371 574	2 964 722	1 200 835	2 218 061	3 340 074	2 437 391	121 239	521 776	130 412	117 379	252 623	22 652 662	37 328 748



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Distribution Statistics Directorate, BPS-Statistics Indonesia

Website: www.bps.go.id

Email: transportasi@bps.go.id