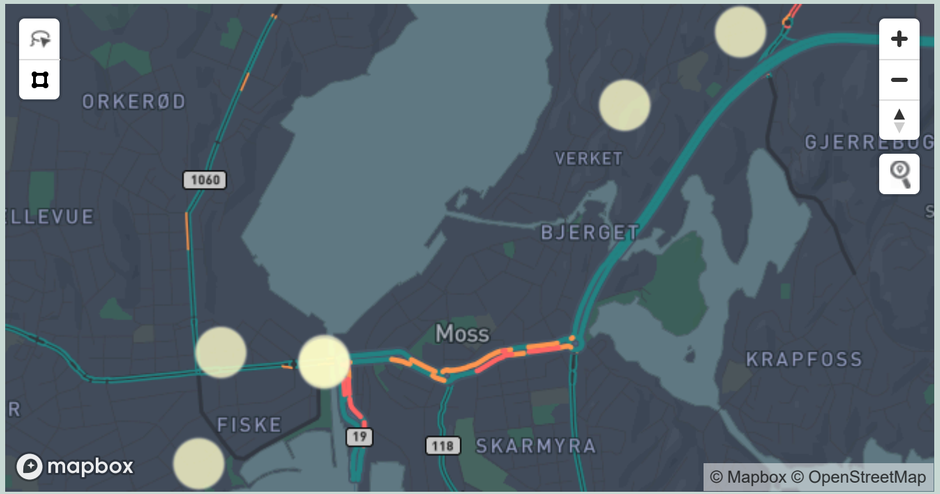
Overview | Electric Vehicle | Bicycle | Pedestrians | Public Transport

Page Info: Location: Multiple Fuel: Multiple Vehicle: Multiple Trips: 9,752,857

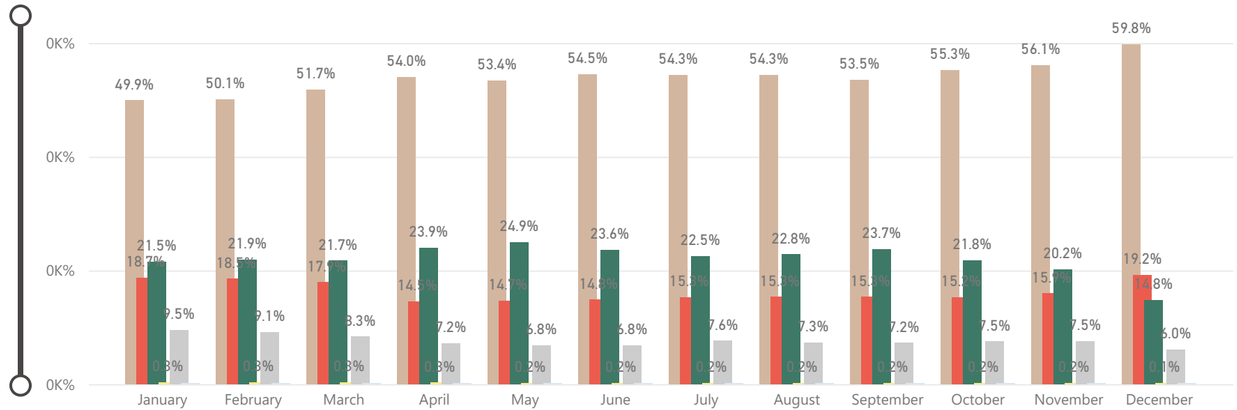
Select one or more locations on the map.



Trips per Type of Fuel by Month

Percentage | Absolute | Table

Type of Fuel: Diesel, Electric, Gasoline, Hybrid Diesel, Hybrid Gasoline, Other



Filters Panel

Month: All

Fuel: All

Vehicle: All

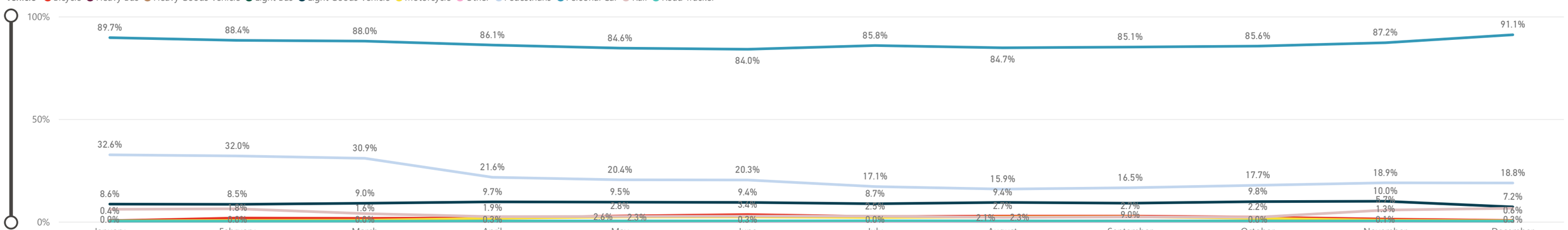
Location: All

Clear all slicers

Trips per Vehicle by Month

Percentage | Absolute | Table

Vehicle: Bicycle, Heavy Bus, Heavy Goods Vehicle, Light Bus, Light Goods Vehicle, Motorcycle, Other, Pedestrians, Personal Car, Rail, Road Tracker



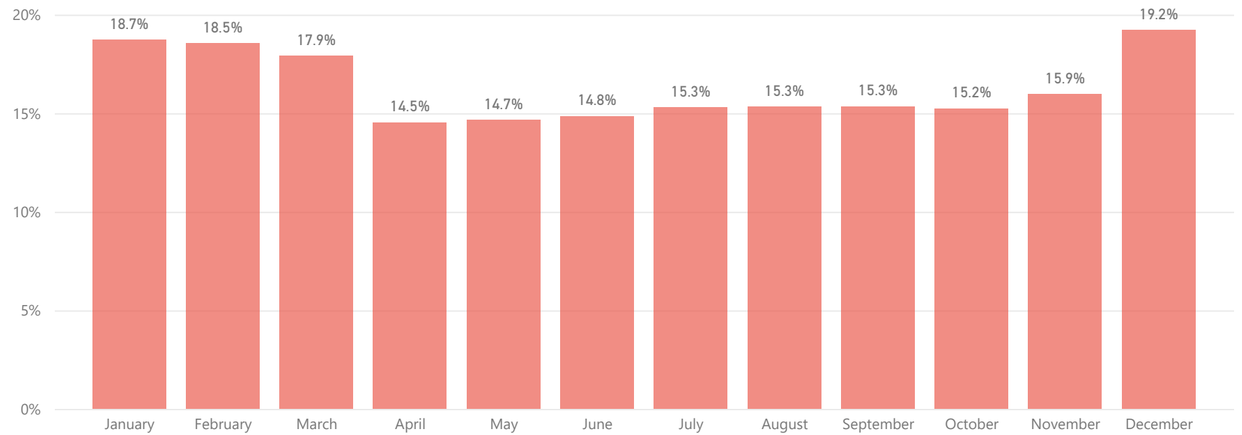
Overview | Electric Vehicle | Bicycle | Pedestrians | Public Transport

Page Info: Location: Multiple Fuel: Electric Vehicle: Multiple Trips: 1,569,685

Select one or more locations on the map.

Percentage of Trips by Electric Vehicles per Month

Percentage | Absolute



Filters Panel

Month: All

Fuel: All

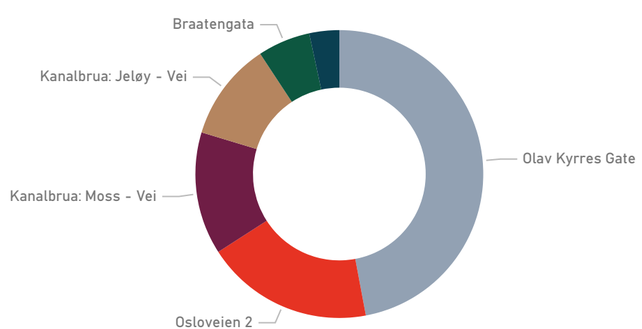
Vehicle: All

Location: All

Clear all slicers

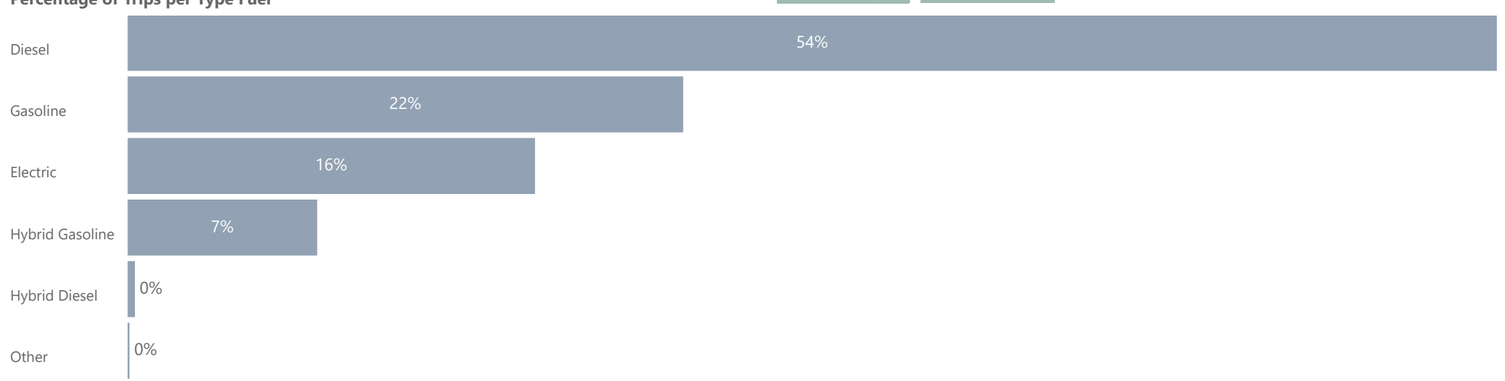
Trips by Electric Vehicles per Location

Location: Olav Kyrres Gate | Osloveien 2 | Kanalbrua: Moss - Vei | Kanalbrua: Jeløy - Vei | Braatengata | Osloveien



Percentage of Trips per Type Fuel

Percentage | Absolute



Overview | Electric Vehicle | Bicycle | Pedestrians | Public Transport

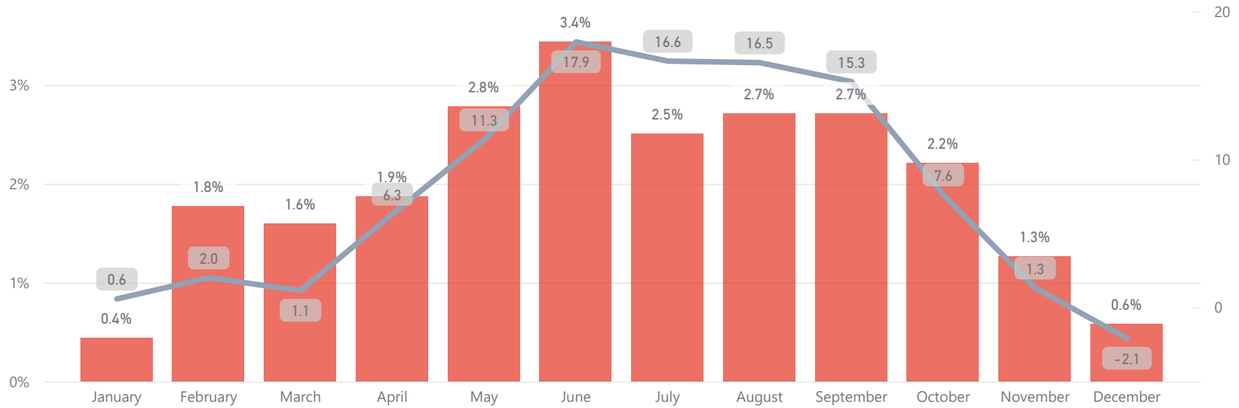
Page Info: Location: Multiple | Fuel: Multiple | Vehicle: Bicycle | Trips: 205,939

Select one or more locations on the map.

Percentage of Trips by Bicycle per Month

Percentage | Absolute

Vehicle Bicycle Temperature



Filters Panel

Month: All

Fuel: All

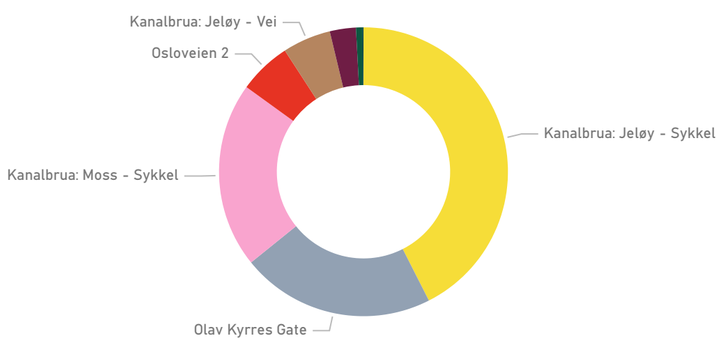
Vehicle: All

Location: All

Clear all slicers

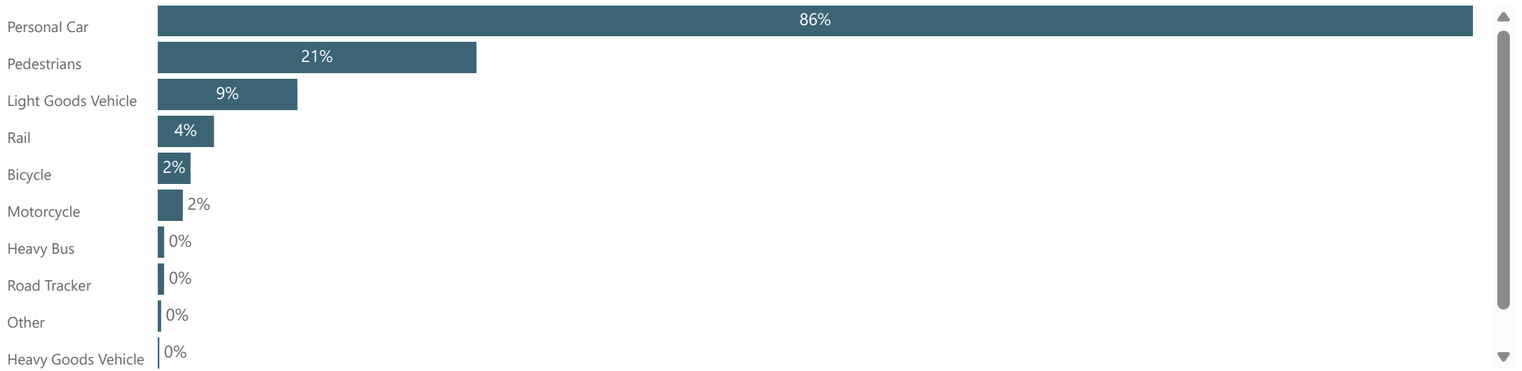
Trips by Bicycle per Location

Location: Kanalbrua: ... | Olav Kyrres ... | Kanalbrua: ... | Osloveien 2 | Kanalbrua: ... | Kanalbrua: ... | Braatengata | Osloveien



Percentage of Trips per Vehicle

Percentage | Absolute

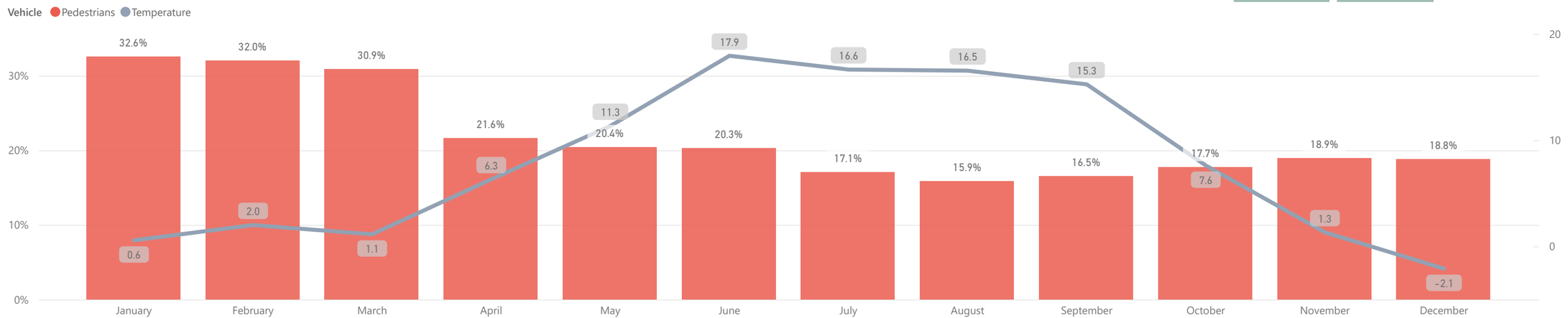


Overview | Electric Vehicle | Bicycle | Pedestrians | Public Transport

Page Info: Location: Multiple | Fuel: Multiple | Mode: Pedestrians | Trips: 2,080,040

Percentage of Trips by Pedestrians per Month

Percentage | Absolute



Filters Panel

Month: All

Fuel: All

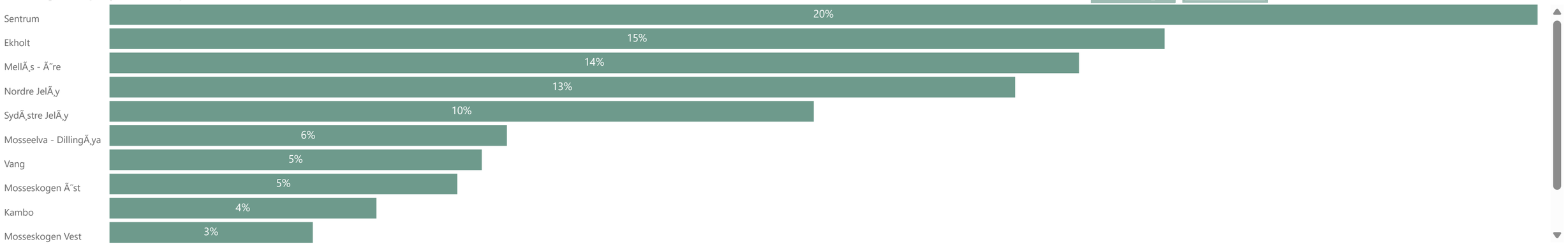
Vehicle: All

Location: All

Clear all slicers

Percentage of Trips by Pedestrians per Location

Percentage | Absolute

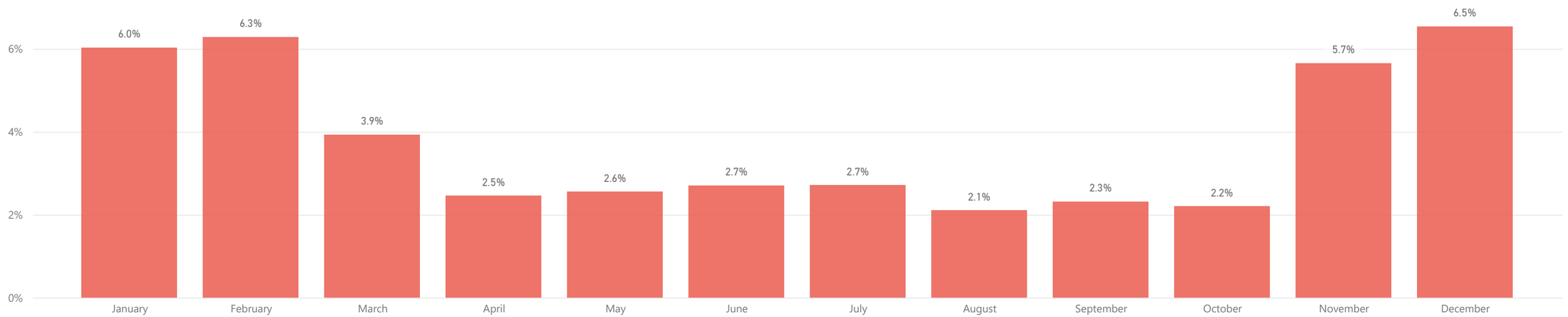


Overview | Electric Vehicle | Bicycle | Pedestrians | Public Transport

Page Info: Location: Multiple | Fuel: Multiple | Mode: Rail | Trips by Rail: 359,513 | No of Passengers by Bus: 1,764,590 | Bus Station: Multiple

Percentage of Trips by Rail per Month

Percentage | Absolute



Filters Panel

Month: All

Fuel: All

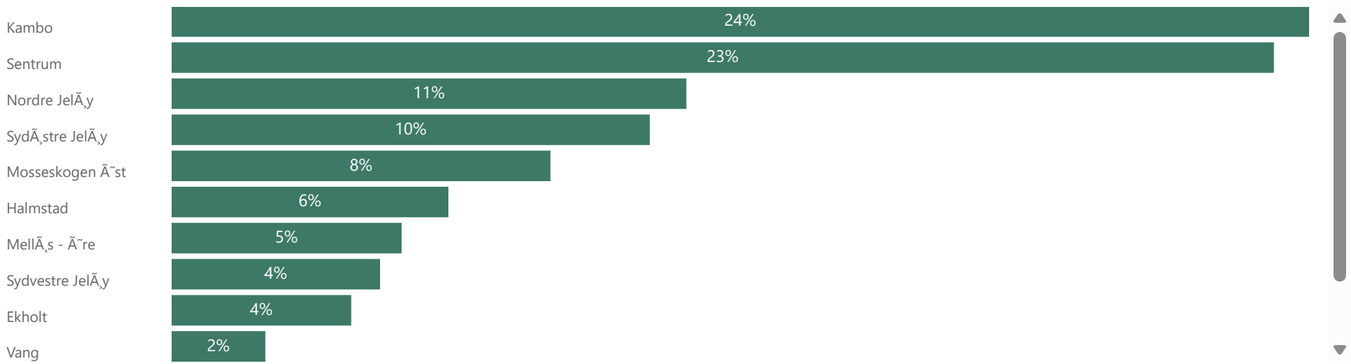
Vehicle: All

Location: All

Clear all slicers

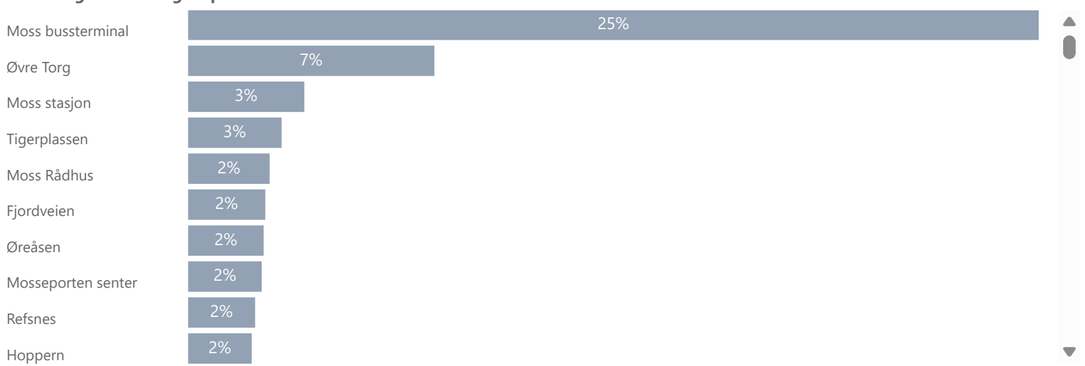
Percentage of Trips by Rail per Location

Percentage | Absolute



Percentage of Passengers per Bus Station

Percentage | Absolute



Chain of thought

- **Visual 1**: Total Distance per Trip (al2 level) = Number of trips x Trip's Distance. | Trip's distance is calculated between the centroids of municipalities using Mapbox API combining longitude and latitude. | Info is filtered according to: Destination = Moss, Mode of Transport = Road.
- **Visual 2**: Total Monthly Distance by road trips = Number of Trips per Month x Trip's Distance.
- **Visual 3**: Sensors' data are used to calculate: 1) The absolute and percentage share of each vehicle's type to the total trips number. 2) The absolute and percentage share of each fuel's type to the total trips number.
- **Visual 4**: Information combined by the previous visuals to calculate: 1) Distance of each Vehicle type by Month, 2) Distance of each Fuel type by Month.

Assumptions

- **1 st assumption**: the avg distance for internal trips is 1km (Moss to Moss)
- **2nd assumption**: the percentage distribution of trips by vehicle and fuel type is calculated using sensors data.

Vehicle | Fuel

Filters Panel

Year: 2023

Month: All

Type of Trip: All

Clear all slicers

1

origin_admin_level_2	destination_admin_level_2	Number of Trips	Trips' Distance (km)	Total Distance (millions km)
Moss	Moss	6,459,633	0.00	0.01M
Oslo	Moss	1,075,072	72.82	78.28M
Vestby	Moss	927,756	22.42	20.80M
Fredrikstad	Moss	752,977	35.34	26.61M
Sarpsborg	Moss	629,500	38.73	24.38M
RÃ¥de	Moss	515,591	15.08	7.77M
VÃ¥ler (Viken)	Moss	499,820	26.21	13.10M
Indre Ã˜stfold	Moss	250,652	54.77	13.73M
Nordre Follo	Moss	223,803	50.18	11.23M
Halden	Moss	216,747	71.01	15.39M
Ã…s	Moss	170,130	34.54	5.88M
Asker	Moss	150,328	58.76	8.83M
Frogn	Moss	89,898	42.63	3.83M
Sandefjord	Moss	81,536	52.79	4.30M
Total		**12,718,273**	**207,048.23**	**301.98M**

2

Total Monthly Distance by Road (Moss Level)

Number of trips are calculated by Telia's dataset. Distance is between the centroids (al2).

Month	Sum of Trips	Monthly Distance (millions km)
January	960,286	21.23M
February	934,734	21.53M
March	1,080,711	25.50M
April	1,035,791	25.76M
May	1,110,272	27.42M
June	1,051,866	29.59M
July	792,139	23.95M
August	888,649	24.23M
September	919,565	24.89M
October	889,437	24.14M
November	1,470,522	27.01M
December	1,584,301	26.72M
Total	**12,718,273**	**301.98M**

3

Trips per Type of Vehicle (Abs and Percentage).

Absolute and percentage numbers are calculated at the granular level of type of vehicle by using censors' data.

Type of Vehicle	January	February	March	April	May	June	July	Augu
1.Personal Car	523,359	483,884	564,155	699,882	800,667	723,809	687,658	838,9
2.Bus	3,504	2,826	2,700	2,210	2,682	2,267	2,214	2,8
3.Heavy Vehicle	1,562	1,387	1,647	2,647	3,225	3,273	3,519	4,0
4.Van	49,985	46,293	57,591	78,531	90,071	80,800	69,962	92,9
5.Total	578,410	534,390	626,093	783,270	896,645	810,149	763,353	938,7

Type of Vehicle	January	February	March	April	May	June	July	Augu
1.Personal Car	90.48%	90.55%	90.11%	89.35%	89.30%	89.34%	90.08%	89.3
2.Bus	0.61%	0.53%	0.43%	0.28%	0.30%	0.28%	0.29%	0.3
3.Heavy Vehicle	0.27%	0.26%	0.26%	0.34%	0.36%	0.40%	0.46%	0.4
4.Van	8.64%	8.66%	9.20%	10.03%	10.05%	9.97%	9.17%	9.9

4

Distance per Type of Vehicle

Type of Vehicle	January	February	March	April	May	June	July	August	September	October	November	December	Total
1.Personal Car	19.21M	19.49M	22.97M	23.02M	24.49M	26.44M	21.58M	21.66M	22.36M	21.52M	24.06M	24.62M	**271.30M**
2.Bus	0.13M	0.11M	0.11M	0.07M	0.08M	0.08M	0.07M	0.07M	0.08M	0.08M	0.10M	0.09M	**1.05M**
3.Heavy Vehicle	0.06M	0.06M	0.07M	0.09M	0.10M	0.12M	0.11M	0.10M	0.08M	0.09M	0.10M	0.07M	**1.06M**
4.Van	1.83M	1.86M	2.35M	2.58M	2.75M	2.95M	2.20M	2.40M	2.37M	2.46M	2.75M	1.95M	**28.56M**
5.Total	21.23M	21.53M	25.50M	25.76M	27.42M	29.59M	23.95M	24.23M	24.89M	24.14M	27.01M	26.72M	**301.98M**

Chain of thought

- **Visual 1**: Total Distance per Trip (al2 level) = Number of trips x Trip's Distance. | Trip's distance is calculated between the centroids of municipalities using Mapbox API combining longitude and latitude. | Info is filtered according to: Destination = Moss, Mode of Transport = Road.
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Assumptions

- **1 st assumption**: the avg distance for internal trips is 1km (Moss to Moss)
- **2nd assumption**: the percentage distribution of trips by vehicle and fuel type is calculated using sensors data.

Vehicle | Fuel

Filters Panel

Year: 2023

Month: All

Type of Trip: All

Clear all slicers

1

origin_admin_level_2	destination_admin_level_2	Number of Trips	Trips' Distance (km)	Total Distance (millions km)
Oslo	Moss	1,075,072	72.82	78,281,368
Fredrikstad	Moss	752,977	35.34	26,608,701
Sarpsborg	Moss	629,500	38.73	24,382,424
Vestby	Moss	927,756	22.42	20,802,145
Halden	Moss	216,747	71.01	15,392,071
Indre Ã˜stfold	Moss	250,652	54.77	13,726,957
VÃ¥ler (Viken)	Moss	499,820	26.21	13,098,783
Nordre Follo	Moss	223,803	50.18	11,230,211
Asker	Moss	150,328	58.76	8,833,875
RÃ¥de	Moss	515,591	15.08	7,774,081
Ã…s	Moss	170,130	34.54	5,876,971
Hvaler	Moss	43,795	100.89	4,418,346
Sandefjord	Moss	81,536	52.79	4,304,612
Ullensaker	Moss	36,975	106.65	3,943,495
Total		**12,718,273**	**207,048.23**	**301,979,753**

2

Total Monthly Distance by Road (Moss Level)

Number of trips are calculated by Telia's dataset. Distance is between the centroids (al2).

Month	Sum of Trips	Monthly Distance (millions km)
January	960,286	21,227,401
February	934,734	21,528,553
March	1,080,711	25,495,679
April	1,035,791	25,761,486
May	1,110,272	27,424,459
June	1,051,866	29,594,871
July	792,139	23,950,191
August	888,649	24,234,653
September	919,565	24,889,985
October	889,437	24,144,299
November	1,470,522	27,012,824
December	1,584,301	26,715,352
Total	**12,718,273**	**301,979,753**

3

Trips per Type of Fuel (Abs and Percentage).

Absolute and percentage numbers are calculated at the granular level of type of vehicle by using censors' data.

Fuel	January	February	March	April	May	June	July	Aug
Diesel	289,908	269,405	326,495	431,046	491,000	453,196	424,415	523
Electric	108,726	99,667	112,971	115,912	134,843	123,476	119,366	147
Gasoline	124,996	117,763	136,916	191,068	229,244	196,610	175,724	219
Hybrid Diesel	1,962	1,732	1,779	2,056	2,082	1,765	1,901	1
Hybrid Gasoline	55,226	49,214	52,675	57,623	62,936	56,501	59,411	70
Other	143	120	86	161	214	157	110	

Fuel	January	February	March	April	May	June	July	Aug
Diesel	49.9%	50.1%	51.7%	54.0%	53.4%	54.5%	54.3%	54
Electric	18.7%	18.5%	17.9%	14.5%	14.7%	14.8%	15.3%	15
Gasoline	21.5%	21.9%	21.7%	23.9%	24.9%	23.6%	22.5%	22
Hybrid Diesel	0.3%	0.3%	0.3%	0.3%	0.2%	0.2%	0.2%	(
Hybrid Gasoline	9.5%	9.1%	8.3%	7.2%	6.8%	6.8%	7.6%	7

4

Distance per Type of Fuel

Fuel	January	February	March	April	May	June	July	August	September	October	November	December	Total
Diesel	10,592,782	10,782,467	13,193,726	13,917,607	14,631,241	16,126,244	13,016,351	13,166,769	13,307,593	13,347,335	15,156,405	15,980,116	**163,758,717**
Electric	3,972,677	3,988,999	4,565,180	3,742,565	4,018,168	4,393,693	3,660,827	3,713,662	3,815,461	3,676,447	4,307,662	5,130,010	**48,602,485**
Gasoline	4,567,157	4,713,260	5,532,802	6,169,201	6,831,210	6,996,047	5,389,266	5,525,424	5,908,442	5,256,505	5,444,055	3,953,056	**66,343,042**
Hybrid Diesel	71,688	69,320	71,890	66,384	62,041	62,805	58,302	49,020	50,102	52,145	63,057	39,558	**701,781**
Hybrid Gasoline	2,017,871	1,969,705	2,128,607	1,860,531	1,875,421	2,010,496	1,822,071	1,775,929	1,804,229	1,808,611	2,038,809	1,610,342	**22,524,063**
Other	5,225	4,803	3,475	5,198	6,377	5,587	3,374	3,850	4,158	3,256	2,835	2,269	**49,665**
Total	21,227,401	21,528,553	25,495,679	25,761,486	27,424,459	29,594,871	23,950,191	24,234,653	24,889,985	24,144,299	27,012,824	26,715,352	**301,979,753**