

# Assignment 3

## Pending

Ivan Stordal & Irjan Vikre

onsdag 24 des., 2025

```
[1] "nb_NO.UTF-8/nb_NO.UTF-8/nb_NO.UTF-8/C/nb_NO.UTF-8/en_US.UTF-8"
```

## Kommuner og data innhenting fra SSB

```
{
  "query": [
    {
      "code": "ArbstedKomm",
      "selection": {
        "filter": "item",
        "values": ["3101", "2321", "9999"]
      }
    },
    {
      "code": "Bokommuen",
      "selection": {
        "filter": "item",
        "values": ["3101", "2321", "9999"]
      }
    },
    {
      "code": "ContentsCode",
      "selection": {
        "filter": "item",
        "values": ["Sysselsatte"]
      }
    },
    {
      "code": "Tid",
      "selection": {
        "filter": "item",
        "values": ["2000", "2023", "2024"]
      }
    }
  ],
  "response": {
    "format": "json-stat2"
  }
}
```

```
}
}
```

```
# A tibble: 529,713 × 6
  aar   akom akom_navn bkom bkom_navn pendlere
<chr> <chr> <chr>    <chr> <chr>      <int>
1 2002 k3101 Halden    k1102 Sandnes (-2019)      0
2 2003 k3101 Halden    k1102 Sandnes (-2019)      0
3 2004 k3101 Halden    k1102 Sandnes (-2019)      0
4 2005 k3101 Halden    k1102 Sandnes (-2019)      0
5 2006 k3101 Halden    k1102 Sandnes (-2019)      0
# i 529,708 more rows
```

```
# A tibble: 529,713 × 6
  aar   akom akom_navn      bkom bkom_navn pendlere
<chr> <chr> <chr>      <chr> <chr>      <int>
1 2002 k1102 Sandnes (-2019) k3101 Halden      0
2 2003 k1102 Sandnes (-2019) k3101 Halden      0
3 2004 k1102 Sandnes (-2019) k3101 Halden      0
4 2005 k1102 Sandnes (-2019) k3101 Halden      0
5 2006 k1102 Sandnes (-2019) k3101 Halden      0
# i 529,708 more rows
```

## Kommunesammenslåingene

### Bosted rundt Boknafjorden

```
# A tibble: 9,660 × 6
  aar   nye_akom nye_akom_navn nye_bkom nye_bkom_navn pendlere
<chr> <chr>      <chr>      <chr>    <chr>      <int>
1 2002 k1103    Stavanger    k1103    Stavanger    43142
2 2002 k1103    Stavanger    k1106    Haugesund     347
3 2002 k1103    Stavanger    k1108    Sandnes     8826
4 2002 k1103    Stavanger    k1119    Hå           637
5 2002 k1103    Stavanger    k1120    Klepp       1187
# i 9,655 more rows
```

### Eksempel: Stavanger

```
# A tibble: 23 × 6
  aar   nye_akom nye_akom_navn nye_bkom nye_bkom_navn pendlere
<chr> <chr>      <chr>      <chr>    <chr>      <int>
1 2002 k1103    Stavanger    k1103    Stavanger    43142
2 2003 k1103    Stavanger    k1103    Stavanger    43186
3 2004 k1103    Stavanger    k1103    Stavanger    43472
4 2005 k1103    Stavanger    k1103    Stavanger    43962
5 2006 k1103    Stavanger    k1103    Stavanger    46632
6 2007 k1103    Stavanger    k1103    Stavanger    49082
7 2008 k1103    Stavanger    k1103    Stavanger    49561
8 2009 k1103    Stavanger    k1103    Stavanger    49421
```

9	2010	k1103	Stavanger	k1103	Stavanger	50038
10	2011	k1103	Stavanger	k1103	Stavanger	51547
11	2012	k1103	Stavanger	k1103	Stavanger	52519
12	2013	k1103	Stavanger	k1103	Stavanger	52890
13	2014	k1103	Stavanger	k1103	Stavanger	52328
14	2015	k1103	Stavanger	k1103	Stavanger	49833
15	2016	k1103	Stavanger	k1103	Stavanger	48772
16	2017	k1103	Stavanger	k1103	Stavanger	48796
17	2018	k1103	Stavanger	k1103	Stavanger	49616
18	2019	k1103	Stavanger	k1103	Stavanger	50318
19	2020	k1103	Stavanger	k1103	Stavanger	49390
20	2021	k1103	Stavanger	k1103	Stavanger	50713
21	2022	k1103	Stavanger	k1103	Stavanger	51860
22	2023	k1103	Stavanger	k1103	Stavanger	53630
23	2024	k1103	Stavanger	k1103	Stavanger	53588

```
[1] "k1103" "k1106" "k1108" "k1119" "k1120" "k1121" "k1122" "k1124"
[9] "k1127" "k1130" "k1133" "k1134" "k1135" "k1144" "k1145" "k1146"
[17] "k1149" "k1160" "k4611" "k4612"
```

```
[1] "k1103" "k1106" "k1108" "k1119" "k1120" "k1121" "k1122" "k1124"
[9] "k1127" "k1130" "k1133" "k1134" "k1135" "k1144" "k1145" "k1146"
[17] "k1149" "k1160" "k4611" "k4612" "k9999"
```

#### Tilsvarende for pend\_02\_24\_arbBF

```
# A tibble: 23 × 6
  aar   nye_akom nye_akom_navn nye_bkom nye_bkom_navn pendlere
  <chr> <chr>      <chr>      <chr>      <chr>      <int>
1 2002 k1103      Stavanger k1103      Stavanger  43142
2 2003 k1103      Stavanger k1103      Stavanger  43186
3 2004 k1103      Stavanger k1103      Stavanger  43472
4 2005 k1103      Stavanger k1103      Stavanger  43962
5 2006 k1103      Stavanger k1103      Stavanger  46632
6 2007 k1103      Stavanger k1103      Stavanger  49082
7 2008 k1103      Stavanger k1103      Stavanger  49561
8 2009 k1103      Stavanger k1103      Stavanger  49421
9 2010 k1103      Stavanger k1103      Stavanger  50038
10 2011 k1103      Stavanger k1103      Stavanger  51547
11 2012 k1103      Stavanger k1103      Stavanger  52519
12 2013 k1103      Stavanger k1103      Stavanger  52890
13 2014 k1103      Stavanger k1103      Stavanger  52328
14 2015 k1103      Stavanger k1103      Stavanger  49833
15 2016 k1103      Stavanger k1103      Stavanger  48772
16 2017 k1103      Stavanger k1103      Stavanger  48796
17 2018 k1103      Stavanger k1103      Stavanger  49616
18 2019 k1103      Stavanger k1103      Stavanger  50318
19 2020 k1103      Stavanger k1103      Stavanger  49390
20 2021 k1103      Stavanger k1103      Stavanger  50713
21 2022 k1103      Stavanger k1103      Stavanger  51860
```

22	2023	k1103	Stavanger	k1103	Stavanger	53630
23	2024	k1103	Stavanger	k1103	Stavanger	53588

```
[1] "k1103" "k1106" "k1108" "k1119" "k1120" "k1121" "k1122" "k1124"
[9] "k1127" "k1130" "k1133" "k1134" "k1135" "k1144" "k1145" "k1146"
[17] "k1149" "k1160" "k4611" "k4612" "k9999"
```

```
[1] "k1103" "k1106" "k1108" "k1119" "k1120" "k1121" "k1122" "k1124"
[9] "k1127" "k1130" "k1133" "k1134" "k1135" "k1144" "k1145" "k1146"
[17] "k1149" "k1160" "k4611" "k4612"
```

```
[1] "aar"      "akom"      "akom_navn" "bkom"      "bkom_navn" "pendlere"
```

```
[1] "aar"      "akom"      "akom_navn" "bkom"      "bkom_navn" "pendlere"
```

```
[1] "aar"      "akom"      "akom_navn" "bkom"      "bkom_navn" "pendlere"
```

```
[1] 10120      6
```

```
[1] "aar"      "akom"      "akom_navn" "bkom"      "bkom_navn" "pendlere"
```

```
[1] 9660      6
```

```
[1] "aar"      "akom"      "akom_navn" "bkom"      "bkom_navn" "pendlere"
```

```
[1] 9660      6
```

## Totalt antall arbeidstakere i hele landet per år

```
# A tibble: 23 × 2
  aar  arbtak_HL
<chr>   <int>
1 2002   2267000
2 2003   2260000
3 2004   2274000
4 2005   2308000
5 2006   2389000
6 2007   2484000
7 2008   2525000
8 2009   2497000
9 2010   2517000
10 2011   2562000
11 2012   2589000
```

12	2013	2619000
13	2014	2650000
14	2015	2597064
15	2016	2613654
16	2017	2647297
17	2018	2683447
18	2019	2710436
19	2020	2681548
20	2021	2762179
21	2022	2818121
22	2023	2845307
23	2024	2863317

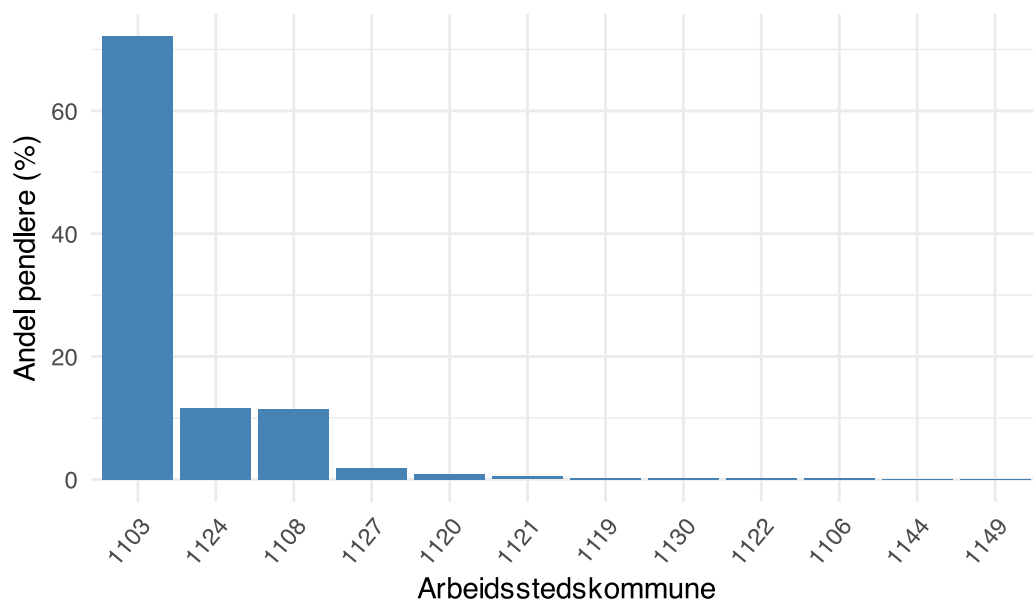
## Beregning av bo og jobbfordeling mellom Bokna-regionen og resten av landet

```
# A tibble: 23 × 5
  aar   arbtak_HL bBFjBF bBFjRAL bRALjBF
  <chr>      <int> <int>   <int>   <int>
1 2002      2267000 166173   14023    1241
2 2003      2260000 167791   12800    1241
3 2004      2274000 170579   12972    1272
4 2005      2308000 175251   13958    1554
5 2006      2389000 185284   14429    1632
6 2007      2484000 195482   14889    1690
7 2008      2525000 200562   15774    1705
8 2009      2497000 200582   14824    1663
9 2010      2517000 203772   15202    1711
10 2011      2562000 210162   14947    1822
11 2012      2589000 214299   15270    1926
12 2013      2619000 217590   15948    1914
13 2014      2650000 219911   16387    1923
14 2015      2597064 211247   15074    1790
15 2016      2613654 207992   14651    1780
16 2017      2647297 209330   15386    1842
17 2018      2683447 214041   14593    1838
18 2019      2710436 217396   14073    1911
19 2020      2681548 215431   13620    1930
20 2021      2762179 221587   14693    1957
21 2022      2818121 225798   15597    1981
22 2023      2845307 230427   15865    1979
23 2024      2863317 233321   16379    2025
```

## Analysering av pendlerdata

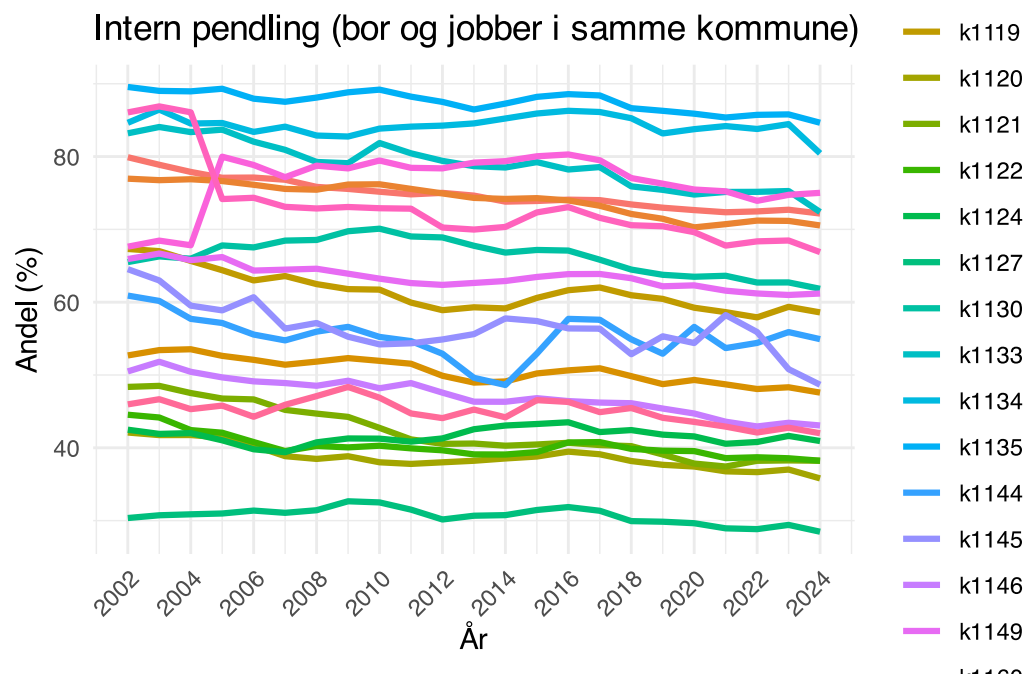
aar	bkom	akom	andel
2023	k1103	0000_TotalBo	100.0
2023	k1103	1103	72.7
2023	k1103	1108	11.4
2023	k1103	1124	11.2
2023	k1103	1127	1.9
2023	k1103	1120	0.9
2023	k1103	1121	0.5
2023	k1103	1119	0.3
2023	k1103	1130	0.3
2023	k1103	1122	0.3

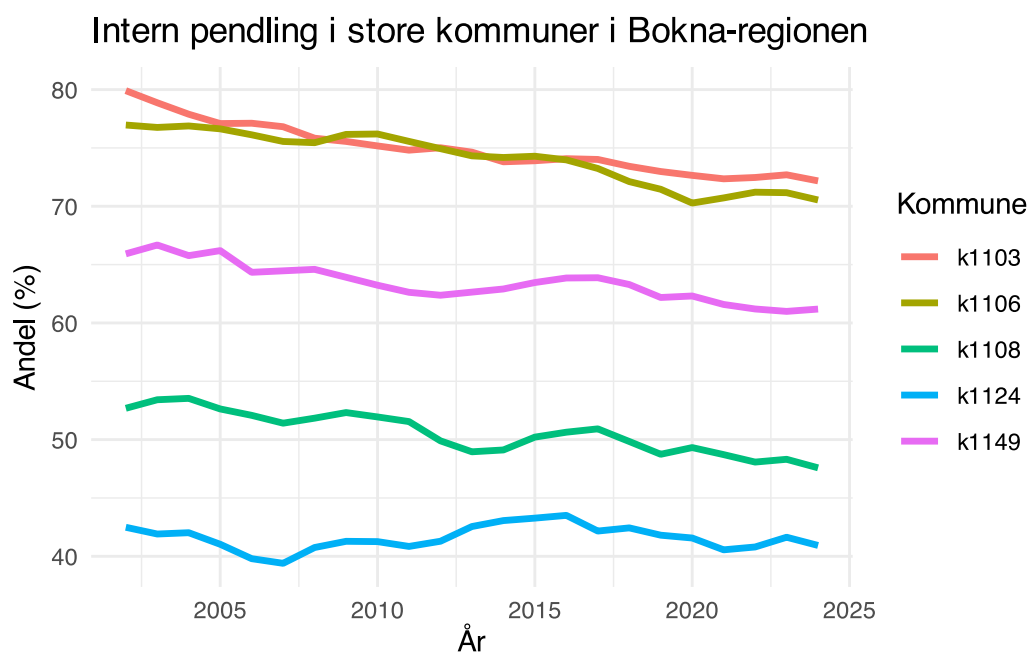
Pendling fra kommune k1103 i 2024



```
# A tibble: 20 × 2
  bkom n_rows
<chr> <int>
1 k1103    23
2 k1106    23
3 k1108    23
4 k1119    23
5 k1120    23
6 k1121    23
7 k1122    23
8 k1124    23
9 k1127    23
```

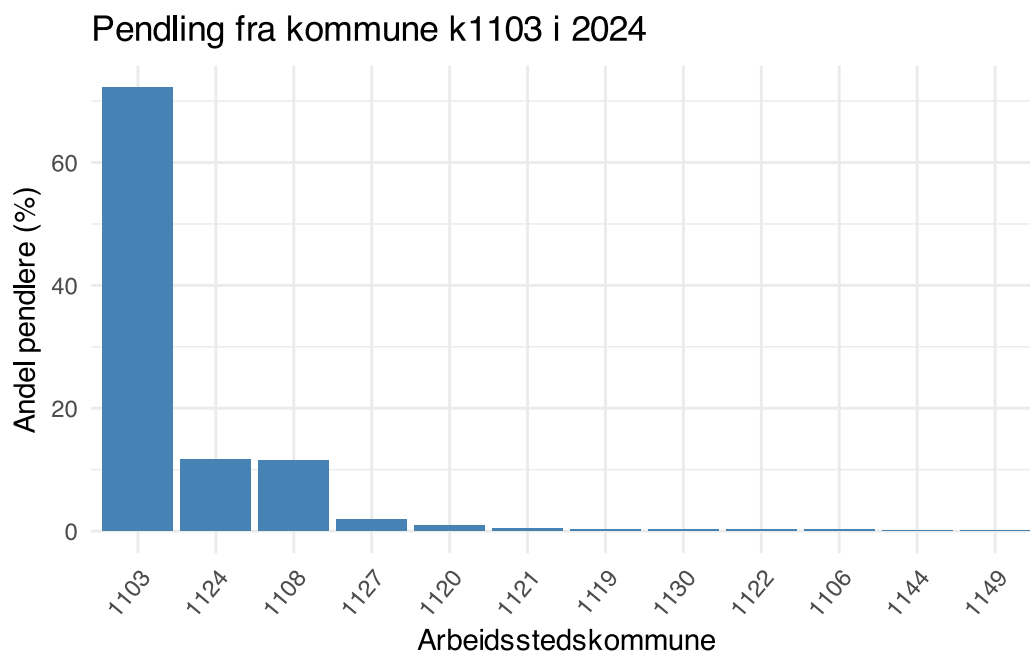
10	k1130	23
11	k1133	23
12	k1134	23
13	k1135	23
14	k1144	23
15	k1145	23
16	k1146	23
17	k1149	23
18	k1160	23
19	k4611	23
20	k4612	23





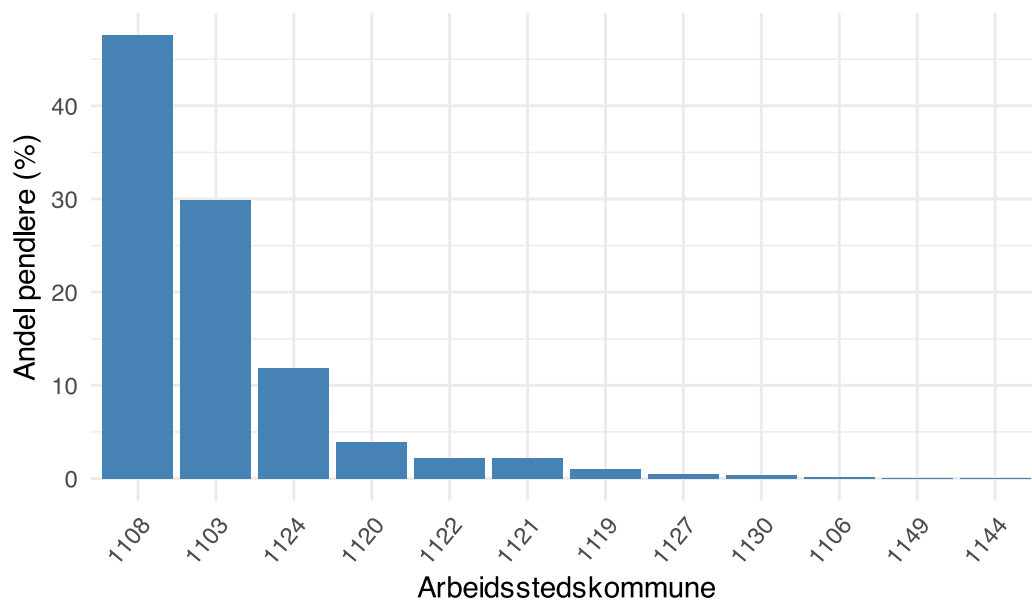
### Pendlingsanalyse for utvalgte kommuner

Videre kommer diagram som viser fordelingen av pendlere for fem av de største kommunene. Diagrammene gir en oversikt over hvor stor andel av bokommunen pendler til hver enkelt arbeidskommune

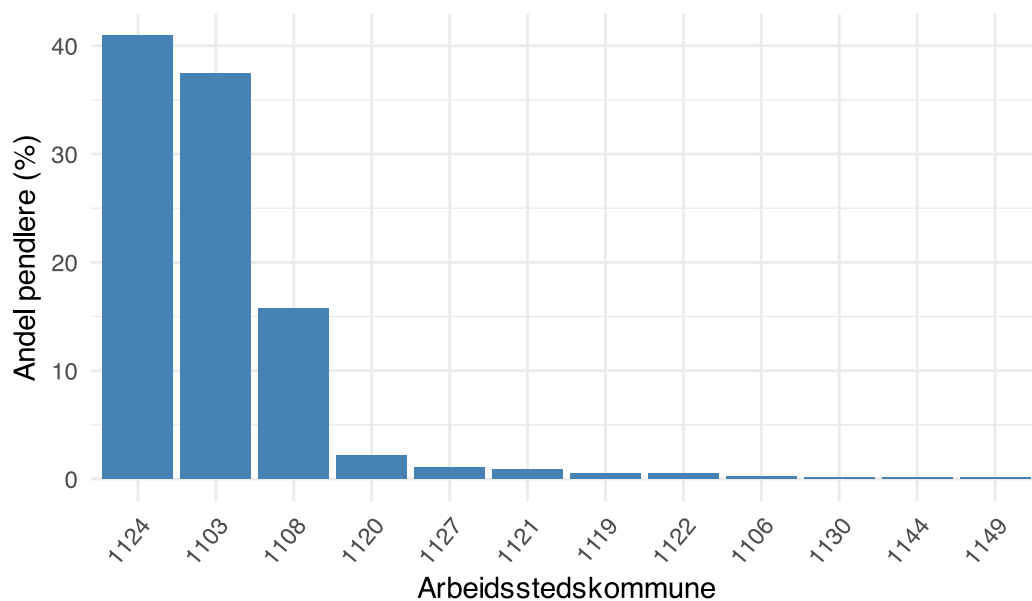


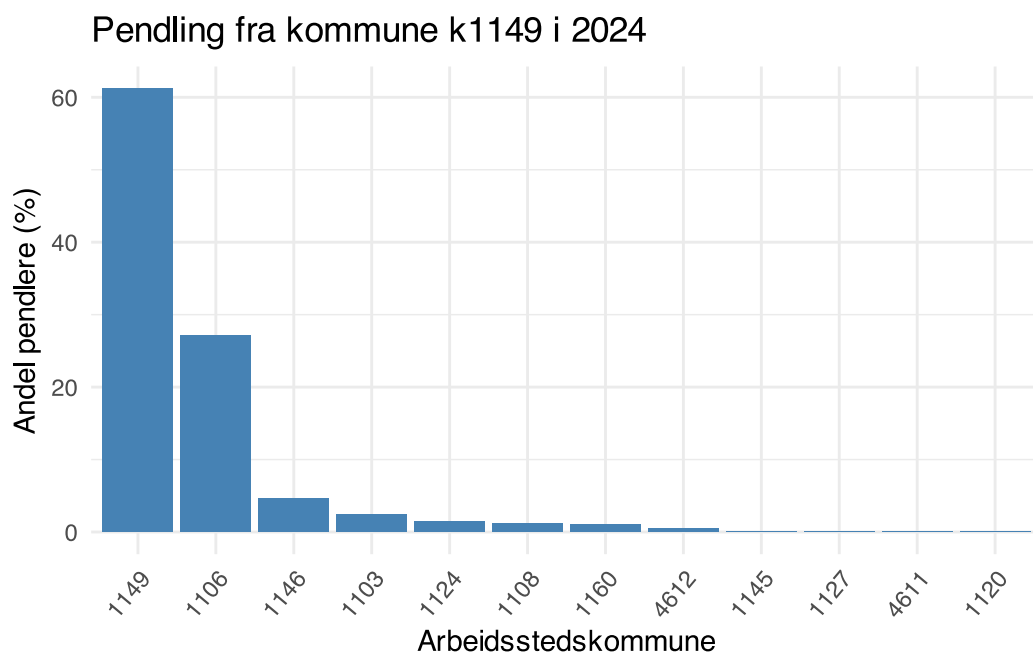
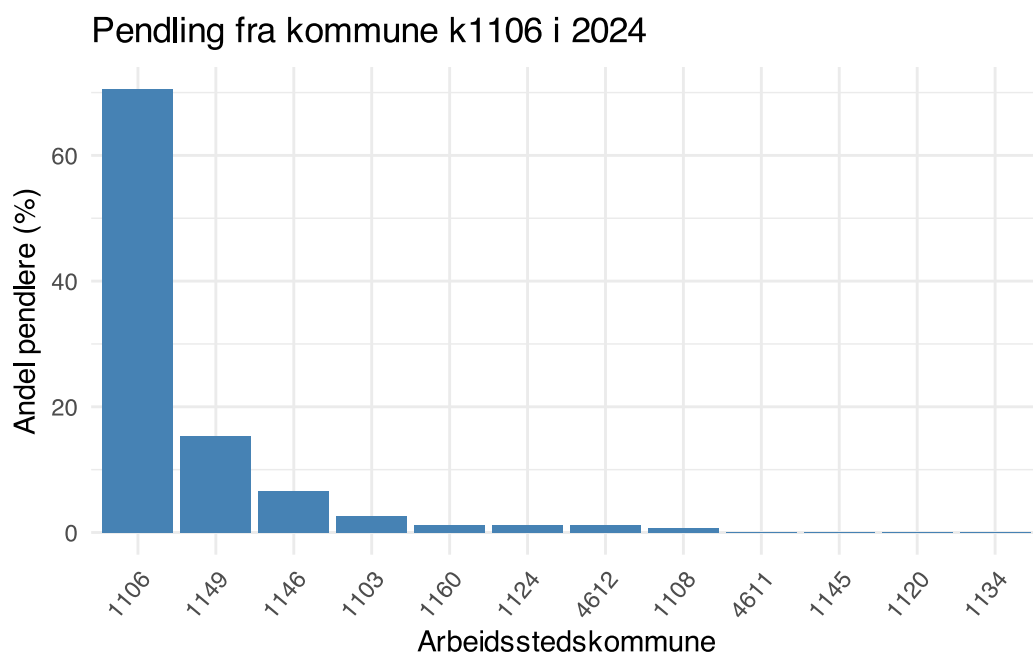


Pendling fra kommune k1108 i 2024



Pendling fra kommune k1124 i 2024





Videre lages matriser for pendlerdataene. Det vil bli benyttet utvalgte år fra årrekken, for å holde det overkommelig.

I tabellene Tabell 1, Tabell 2, Tabell 3, Tabell 4, Tabell 5 og Tabell 6 er pendlematriser for Bokna-regionen for årene 2002, 2005, 2010, 2015, 2023 og 2024 gjengitt.

Tabell 1: Pendlematrise 2002 for Bokna-regionen.

bkom	k1103	k1106	k1108	k1119	k1120	k1121	k1122	k1124	k1127	k1130	k1133	k1134	k1135	k1144	k1145	k1146	k1149	k1160	k4611	k4612	k9999
k1103	43142	120	4713	91	196	220	85	4273	930	72	29	25	9	19	6	20	24	8	7	0	5042
k1106	347	10353	87	5	0	0	0	64	3	1	3	8	3	5	19	637	1732	74	9	102	1349
k1108	8826	51	14155	149	585	531	361	1954	107	82	8	13	0	8	1	7	27	1	1	0	2064
k1119	637	7	442	4863	364	673	33	192	3	1	0	2	0	1	1	1	4	1	0	0	489
k1120	1187	6	1189	223	2958	919	49	453	17	5	2	4	0	1	0	1	12	0	0	0	397
k1121	1049	6	920	412	853	3400	102	266	6	3	2	0	0	1	0	2	6	0	1	1	407
k1122	908	6	1004	40	125	117	1971	237	6	3	2	1	0	0	0	1	4	0	0	0	301
k1124	3774	22	1068	30	119	68	16	3854	81	6	1	4	7	8	0	0	10	3	0	0	792
k1127	2249	7	274	6	12	15	6	386	1295	4	1	3	0	3	0	0	4	0	1	0	325
k1130	957	8	272	6	11	11	6	124	12	2910	114	5	0	0	0	1	5	0	0	0	493
k1133	102	2	18	8	1	4	1	10	5	50	1158	23	0	1	0	0	2	6	1	0	59
k1134	97	35	26	6	3	5	0	18	5	7	17	1631	58	0	0	4	5	10	0	0	113
k1135	65	56	14	1	1	1	0	6	3	0	2	51	1887	0	0	2	2	10	6	0	146
k1144	63	0	12	0	0	1	0	12	7	0	0	0	0	148	0	0	0	0	0	0	15
k1145	16	38	5	0	0	0	0	3	0	0	0	0	0	0	222	49	8	3	0	0	31
k1146	109	1369	28	0	0	4	1	28	4	0	16	14	0	4	22	2107	350	95	6	16	352
k1149	416	4241	128	7	8	1	1	144	21	2	1	8	6	24	18	356	10513	25	8	20	1484
k1160	93	309	20	1	0	1	1	23	2	0	3	31	8	0	1	135	74	1723	118	5	164
k4611	39	57	6	0	2	1	0	10	0	0	0	2	1	0	0	23	9	56	1278	1	274
k4612	41	756	17	1	0	0	0	10	2	0	1	2	0	4	5	73	111	12	3	883	288
k9999	4638	863	1865	260	115	155	103	1757	143	29	26	56	28	10	6	67	293	27	51	24	0

Tabell 2: Pendlematrise 2005 for Bokna-regionen.

bkom	k1103	k1106	k1108	k1119	k1120	k1121	k1122	k1124	k1127	k1130	k1133	k1134	k1135	k1144	k1145	k1146	k1149	k1160	k4611	k4612	k9999
k1103	43962	83	6102	143	208	253	102	4617	1227	95	51	28	12	30	11	19	40	35	8	1	4588
k1106	241	10650	69	8	0	1	0	62	34	1	3	26	7	8	21	720	1778	149	23	96	1412
k1108	9155	22	15047	219	661	587	411	2121	172	107	9	14	0	9	2	7	31	16	1	0	2147
k1119	635	3	515	4819	431	836	39	184	4	4	0	4	1	1	0	0	8	0	0	0	446
k1120	1197	0	1271	301	3053	1015	53	427	28	5	2	3	0	2	0	0	14	2	0	0	404
k1121	1176	4	1041	500	864	3537	109	289	16	3	3	1	0	1	0	3	11	5	0	0	435
k1122	892	1	1146	82	145	166	1966	243	13	7	3	0	0	0	0	2	5	2	0	0	317
k1124	3799	14	1313	37	121	79	23	3863	120	5	3	2	2	10	0	0	15	8	0	1	755
k1127	2154	7	371	8	19	16	5	409	1351	4	2	2	0	5	1	2	3	2	0	0	305
k1130	952	4	282	4	4	6	0	102	19	3187	119	7	0	1	1	1	10	1	1	0	491
k1133	106	4	15	3	1	2	0	13	1	52	1155	18	0	1	0	0	8	1	0	0	61
k1134	79	30	25	1	6	3	1	15	1	5	21	1550	55	2	0	2	7	28	1	0	120
k1135	68	38	16	0	0	3	0	6	1	1	0	50	1855	0	0	7	7	23	2	0	183
k1144	63	0	15	0	0	2	0	14	7	0	0	0	0	136	0	1	0	0	0	0	15
k1145	14	46	4	0	0	0	0	1	1	0	0	1	0	4	199	50	11	6	0	1	30
k1146	87	1393	18	1	1	4	1	26	4	1	25	16	1	2	27	2115	392	117	8	19	388
k1149	325	4456	61	3	11	2	1	99	26	2	4	15	5	35	8	391	10877	74	8	28	1559
k1160	61	321	20	2	2	1	1	17	3	0	13	28	13	1	3	130	74	3120	83	8	302
k4611	39	65	8	0	3	1	1	4	0	0	1	5	4	1	0	22	11	275	1263	0	239
k4612	27	788	10	0	0	0	0	10	5	1	1	11	0	1	5	97	125	33	2	943	280
k9999	4114	731	1329	276	118	194	101	1509	116	42	39	132	28	14	2	93	463	192	91	52	0

Tabell 3: Pendlematrise 2010 for Bokna-regionen.

bkom	k1103	k1106	k1108	k1119	k1120	k1121	k1122	k1124	k1127	k1130	k1133	k1134	k1135	k1144	k1145	k1146	k1149	k1160	k4611	k4612	k9999
k1103	50038	119	7707	126	411	283	165	5846	1463	100	92	40	7	46	7	33	51	23	8	0	5137
k1106	352	12034	111	5	2	3	0	65	12	4	4	30	8	10	23	874	1884	220	23	130	1666
k1108	10577	42	17650	303	962	569	492	2920	209	158	23	17	3	16	1	6	21	8	0	2	2197
k1119	677	6	696	5446	566	1021	58	323	16	4	2	2	0	1	0	0	2	2	1	0	520
k1120	1499	6	1711	374	3464	1144	82	759	36	10	3	3	1	2	0	2	10	7	0	0	486
k1121	1357	9	1316	587	1095	3724	134	458	18	4	4	0	0	1	0	1	2	2	2	0	459
k1122	990	3	1478	94	211	176	2252	347	23	10	0	2	0	0	0	1	3	0	0	0	337
k1124	4454	20	1860	37	200	92	31	4866	173	12	4	11	1	14	1	3	9	6	0	0	815
k1127	2366	14	431	7	24	8	9	489	1626	8	5	2	0	9	0	0	2	3	0	0	297
k1130	963	14	344	8	12	8	3	117	16	3839	129	10	1	1	1	3	4	4	0	0	497
k1133	106	6	32	2	0	1	0	14	1	73	1205	28	0	0	0	2	1	1	0	0	62
k1134	103	19	32	2	4	3	1	16	0	1	24	1660	80	1	0	3	16	15	0	0	120
k1135	68	36	24	0	2	0	2	19	1	4	5	50	2005	0	1	2	13	10	4	2	167
k1144	72	0	15	1	1	0	0	7	9	0	1	0	0	132	0	1	0	0	0	0	15
k1145	21	53	4	0	0	0	0	6	0	0	0	1	0	7	200	50	8	18	0	1	49
k1146	118	1566	23	1	0	4	1	31	4	2	5	19	3	3	27	2324	427	225	9	32	395
k1149	500	5049	110	11	7	5	6	95	19	1	13	23	7	38	18	504	11444	202	14	32	1657
k1160	80	316	20	3	0	0	2	19	1	2	7	27	15	3	1	141	72	3241	120	9	326
k4611	27	70	12	1	1	1	0	6	1	0	0	1	3	2	1	18	20	338	1356	2	202
k4612	49	816	10	0	1	0	0	11	2	2	0	8	0	1	7	121	140	41	8	1074	310
k9999	6814	1035	1885	364	162	243	124	1882	130	69	54	166	46	17	3	142	463	177	78	73	0

Tabell 4: Pendlematrise 2015 for Bokna-regionen.

bkom	k1103	k1106	k1108	k1119	k1120	k1121	k1122	k1124	k1127	k1130	k1133	k1134	k1135	k1144	k1145	k1146	k1149	k1160	k4611	k4612	k9999
k1103	49833	142	7431	150	420	239	165	7360	1335	130	32	33	8	48	0	10	54	32	5	6	4861
k1106	326	12126	115	2	7	4	3	81	9	4	0	19	3	6	18	865	2234	274	18	209	1531
k1108	11116	55	18511	323	1166	628	616	4059	183	126	10	19	2	18	1	5	16	7	1	2	2339
k1119	744	10	699	5656	622	1172	56	350	11	3	1	2	1	2	0	0	4	2	0	0	584
k1120	1472	7	1736	434	3708	1123	84	940	28	10	1	4	0	6	0	0	1	2	0	0	478
k1121	1473	7	1339	701	1267	3807	137	635	23	3	1	2	0	4	0	2	5	2	2	0	473
k1122	1021	4	1508	118	297	222	2394	464	22	9	1	3	1	0	0	3	4	2	0	1	342
k1124	4716	18	1881	51	210	79	49	5476	131	14	2	6	0	8	0	2	3	8	1	0	827
k1127	2412	7	411	8	31	10	6	621	1630	19	2	1	0	17	1	1	3	1	0	0	294
k1130	975	7	396	2	14	5	6	218	15	3679	145	6	0	0	0	3	2	4	0	0	542
k1133	80	0	33	4	4	1	0	15	5	90	1038	39	0	0	0	0	1	0	0	0	69
k1134	67	20	26	1	3	0	3	16	0	4	22	1683	63	1	0	3	12	34	1	0	83
k1135	48	31	15	1	0	1	2	28	0	7	1	66	1846	0	1	1	14	23	7	1	174
k1144	77	0	9	0	1	3	0	13	12	2	0	1	0	135	0	1	1	0	0	0	12
k1145	13	51	3	0	1	0	0	1	3	0	0	1	0	9	217	40	25	14	0	0	45
k1146	87	1578	33	1	3	2	3	50	2	1	1	24	4	2	30	2333	520	253	14	42	430
k1149	398	4984	116	6	12	1	2	181	13	2	2	38	5	35	26	572	11539	187	22	41	1679
k1160	71	308	22	2	1	0	1	22	1	0	4	37	6	4	1	147	73	3452	150	11	311
k4611	29	54	9	4	3	0	0	10	0	0	1	0	2	3	1	20	18	372	1380	2	181
k4612	43	805	7	1	1	1	1	20	0	0	2	10	0	1	3	129	156	84	5	1105	361
k9999	6114	1114	2050	400	261	256	160	2564	128	51	26	198	37	18	2	166	381	217	80	99	0

Tabell 5: Pendlematrise 2023 for Bokna-regionen.

bkom	k1103	k1106	k1108	k1119	k1120	k1121	k1122	k1124	k1127	k1130	k1133	k1134	k1135	k1144	k1145	k1146	k1149	k1160	k4611	k4612	k9999
k1103	53630	181	8380	210	646	352	208	8288	1379	209	50	33	4	68	0	25	63	33	6	7	5017
k1106	477	12515	156	3	15	6	1	200	7	2	0	13	13	1	16	1086	2607	239	26	203	1758
k1108	12316	59	19912	428	1625	868	906	4638	177	156	15	9	2	35	1	12	39	14	0	2	2555
k1119	732	5	758	5707	770	1168	87	346	16	9	2	1	1	1	0	3	4	4	0	0	593
k1120	1691	7	1933	558	3968	1253	128	1094	38	15	2	1	0	12	0	3	12	5	0	0	605
k1121	1570	10	1441	843	1487	3882	172	696	11	10	0	0	1	6	0	3	5	6	1	0	574
k1122	1058	8	1433	146	355	223	2366	506	18	11	1	0	0	5	0	0	3	2	0	0	416
k1124	5384	29	2221	69	308	129	65	6009	149	16	5	10	3	17	0	3	11	5	0	0	831
k1127	2619	14	532	18	41	29	11	683	1668	17	0	2	0	20	0	3	4	9	1	0	383
k1130	1222	11	536	14	39	11	8	300	27	4023	201	9	1	0	0	4	5	3	0	1	374
k1133	83	1	29	1	3	1	1	40	3	113	992	45	3	0	0	0	0	3	0	0	51
k1134	52	29	25	6	4	4	2	17	1	3	20	1565	84	0	0	3	4	27	7	0	96
k1135	60	29	31	2	0	2	0	42	0	1	0	76	1775	0	0	8	15	25	2	1	111
k1144	69	1	19	1	4	1	0	14	6	0	1	0	0	147	0	0	0	0	0	0	17
k1145	16	63	15	0	2	0	0	11	0	0	0	2	0	1	223	48	46	10	1	1	35
k1146	137	1680	61	9	4	4	0	62	3	1	1	7	2	3	34	2327	667	290	12	53	476
k1149	464	5335	257	10	12	6	2	298	13	1	2	7	6	17	23	882	11953	200	18	92	1632
k1160	86	336	33	6	2	1	0	30	2	1	6	47	10	0	1	237	133	3329	169	25	341
k4611	29	72	14	3	3	2	1	7	1	0	1	1	2	1	0	38	30	392	1303	3	181
k4612	48	857	17	0	0	1	1	21	0	0	0	1	2	1	1	180	190	62	5	1036	409
k9999	7770	1441	3990	566	309	310	218	4152	124	93	29	93	37	14	2	183	579	301	74	104	0

Tabell 6: Pendlematrise 2024 for Bokna-regionen.

bkom	k1103	k1106	k1108	k1119	k1120	k1121	k1122	k1124	k1127	k1130	k1133	k1134	k1135	k1144	k1145	k1146	k1149	k1160	k4611	k4612	k9999
k1103	53588	174	8493	208	670	354	191	8648	1398	204	53	47	7	71	1	35	55	40	5	5	5128
k1106	449	12431	120	2	12	5	2	219	7	1	1	12	10	1	15	1171	2707	222	25	211	1834
k1108	12526	62	19910	426	1653	900	926	4982	187	147	9	13	3	35	1	14	36	13	0	1	2634
k1119	754	13	799	5742	778	1204	75	392	19	11	1	1	1	0	0	2	5	2	0	0	591
k1120	1777	11	1958	559	3908	1313	147	1156	35	15	1	0	1	15	0	4	14	3	0	0	629
k1121	1571	11	1459	846	1502	3960	181	777	16	11	1	0	0	6	0	4	7	7	2	0	584
k1122	1038	8	1447	139	374	250	2370	533	17	10	2	0	0	5	0	0	3	4	0	0	467
k1124	5579	32	2351	81	324	129	70	6097	165	16	4	4	3	15	0	8	14	4	0	0	880
k1127	2681	13	534	18	36	30	13	711	1628	14	0	2	0	21	0	5	4	7	0	0	375
k1130	1280	14	528	15	37	14	6	316	30	3996	197	11	0	1	2	5	3	6	0	1	416
k1133	124	1	35	3	4	2	0	38	4	96	970	49	6	0	0	0	2	3	3	0	53
k1134	90	28	23	5	1	3	1	22	2	4	22	1456	90	0	0	6	5	36	16	0	114
k1135	86	29	34	1	0	3	3	38	3	1	2	73	1797	0	0	6	14	27	3	3	118
k1144	65	1	17	1	6	0	0	16	11	0	1	0	0	145	0	0	1	0	0	0	20
k1145	16	63	16	1	0	0	0	7	0	0	0	2	0	1	218	54	49	18	2	1	40
k1146	130	1735	64	8	4	8	0	59	5	2	3	6	2	3	40	2367	721	272	8	59	502
k1149	467	5390	239	11	13	6	4	287	19	0	2	10	10	13	20	928	12170	198	19	83	1644
k1160	74	327	28	5	2	1	0	38	2	0	13	46	8	0	1	236	158	3393	170	21	350
k4611	23	70	18	5	1	1	0	13	1	0	2	3	3	1	0	39	37	410	1274	4	207
k4612	44	861	20	3	1	1	1	22	0	0	0	0	2	2	1	179	193	68	5	1016	435
k9999	7607	1641	3991	586	325	347	208	4135	166	118	26	103	47	13	2	186	598	312	70	95	0



