

```
In[85]:= wojewodztwa = ;
```

```
pm2513 = {25, 17, 28, 21, 21, 33, 25, 28, 26, 23, 18, 32, 26, 6, 26, 15};
pm2514 = {23, 21, 28, 24, 21, 32, 27, 26, 24, 21, 22, 31, 26, 17, 27, 20};
pm2515 = {21, 20, 25, 25, 19, 32, 25, 23, 25, 21, 18, 28, 23, 16, 27, 16};
pm2516 = {22, 20, 23, 23, 20, 29, 23, 23, 23, 19, 17, 28, 21, 15, 27, 16};
pm2517 = {21, 19, 27, 23, 20, 30, 24, 23, 24, 16, 17, 29, 23, 16, 25, 17};
pm25 = {pm2513, pm2514, pm2515, pm2516, pm2517};
wojewodztwa = CountryData["Poland", "Regions"];
```

```
In[98]:= linepm2513 = Rotate[Plot[25, {x, -1, 1000}, ImageSize → 360, Axes → False,
PlotLabels → Placed[Framed["pm 2,5 = 25"], {Below, Left}],
PlotStyle → {Black, Thick}], 90 Degree];
woj = ReplacePart[wojewodztwa, {1 → "Małopolskie", 2 → "Śląskie", 3 → "Wielkopolskie",
4 → "Łódzkie", 5 → "Podkarpackie", 6 → "Świętokrzyskie", 7 → "Mazowieckie", 8 → "Opolskie",
9 → "Dolnośląskie", 10 → "Lubelskie", 11 → "Lubuskie", 12 → "Kujawsko-Pomorskie",
13 → "Podlaskie", 14 → "Pomorskie", 15 → "Zachodniopomorskie", 16 → "Warmińsko-Mazurskie"}];
```

```
In[103]:= barpm25norma = Table[BarChart[ReverseSort[pm25[[t]],
PlotRange → {{-8, 33}, {0, 20}}, Joined → False, BarOrigin → Left,
ImageSize → 670, ChartLabels → Placed[woj, Axis],
Epilog → Inset[linepm2513, {25, 7}],
PlotLabel → Framed[Text[Style[ToString[StringJoin[{"Przekroczenie normy pm 2,5 w ",
ToString[2012 + t], " roku ( $\mu\text{g}/\text{m}^3$ )"}]], 25, Black]],
ColorFunction → (Blend[{RGBColor["#DCECEC"], RGBColor["#517C7D"]}, #] &)],
{t, 1, Length[pm25]}];
```

```
In[26]:= CloudExport[barpm25norma, "PDF"]
```

```
Out[26]= CloudObject[https://www.wolframcloud.com/obj/ab93a0b2-71d4-4fd5-a249-79aff809f9a7]
```

```
In[13]:= CloudExport[barpm25norma, "GIF", AnimationRepetitions → Infinity, AnimationRate → 0.0001]
```

```
Out[13]= CloudObject[https://www.wolframcloud.com/obj/b51c3f72-9e06-40af-afac-828581af3ba1]
```

```
In[101]:= barpm25normagif = Flatten[Table[Table[barpm25norma[[t]], {i, 1, 18}], {t, 1, Length[pm25]}, 1];
```

```
In[104]:= CloudExport[barpm25normagif, "GIF", AnimationRepetitions → Infinity, AnimationRate → 0.0001]
```

```
Out[104]= CloudObject[https://www.wolframcloud.com/obj/64ffcb48-dd39-4148-9100-9e7ad4cc01e3]
```