

# EDA of Endometrial Cancer Incidence in Sweden 1970-2024

Carmen Canedo

## Selection Overview

The `ec` table is pulled from Socialstyrelsen Statistikdatabas för cancer with the following selections:

- International incidence definition of morbidity IARC/IACR/ENCR
- Tumor diagnosis (ICD-7): 172 Livmoderkropp (corpus uteri)
  - Note: ICD-10 is C54
- Regardless of tumor type(s)
- All regions, including Riket
- Older age groups (with ages shown separately):
  - 0-17
  - 18-29
  - 30-44
  - 45-64
  - 65-79
  - 80+
- Sex: women
- Years: 1970-2024

year	region	Minimum	Mean	Median	Std. Deviation	IQR	Variance	Max
2024	Blekinge län	0	4.857143	2	6.175990	6.5	38.14286	17
2023	Blekinge län	0	5.428571	3	7.345228	8.0	53.95238	19
2022	Blekinge län	0	6.285714	2	8.300889	10.0	68.90476	22
2021	Blekinge län	0	5.714286	4	7.134757	7.0	50.90476	20
2020	Blekinge län	0	5.714286	5	7.016986	6.5	49.23810	20
2019	Blekinge län	0	6.285714	5	7.846746	7.5	61.57143	22

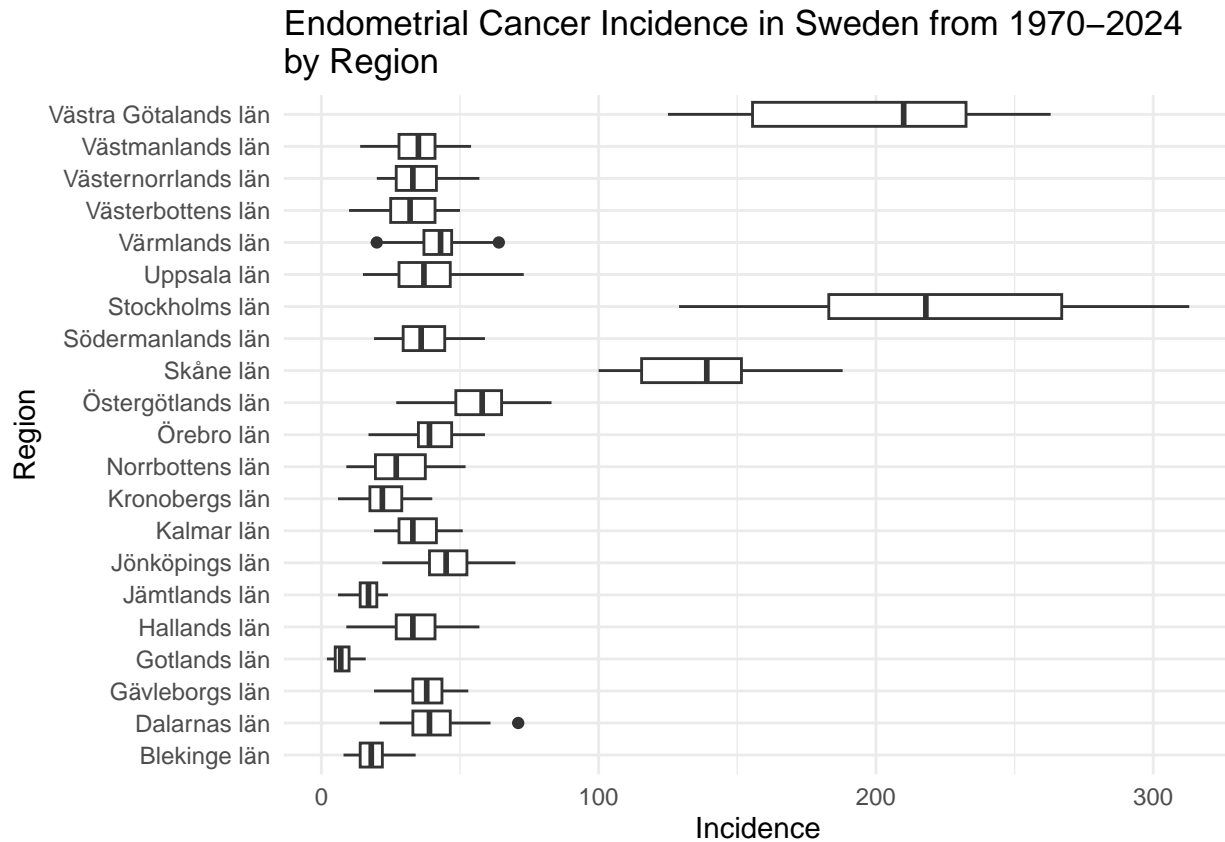
year	age	Minimum	Mean	Median	Std. Deviation	IQR	Variance	Max
2024	age_0_17	0	0.0000000	0	0.0000000	0	0.0000000	0
2023	age_0_17	0	0.0000000	0	0.0000000	0	0.0000000	0
2022	age_0_17	0	0.0000000	0	0.0000000	0	0.0000000	0
2021	age_0_17	0	0.0909091	0	0.2942449	0	0.0865801	1
2020	age_0_17	0	0.0000000	0	0.0000000	0	0.0000000	0
2019	age_0_17	0	0.0000000	0	0.0000000	0	0.0000000	0

## Summary Statistics

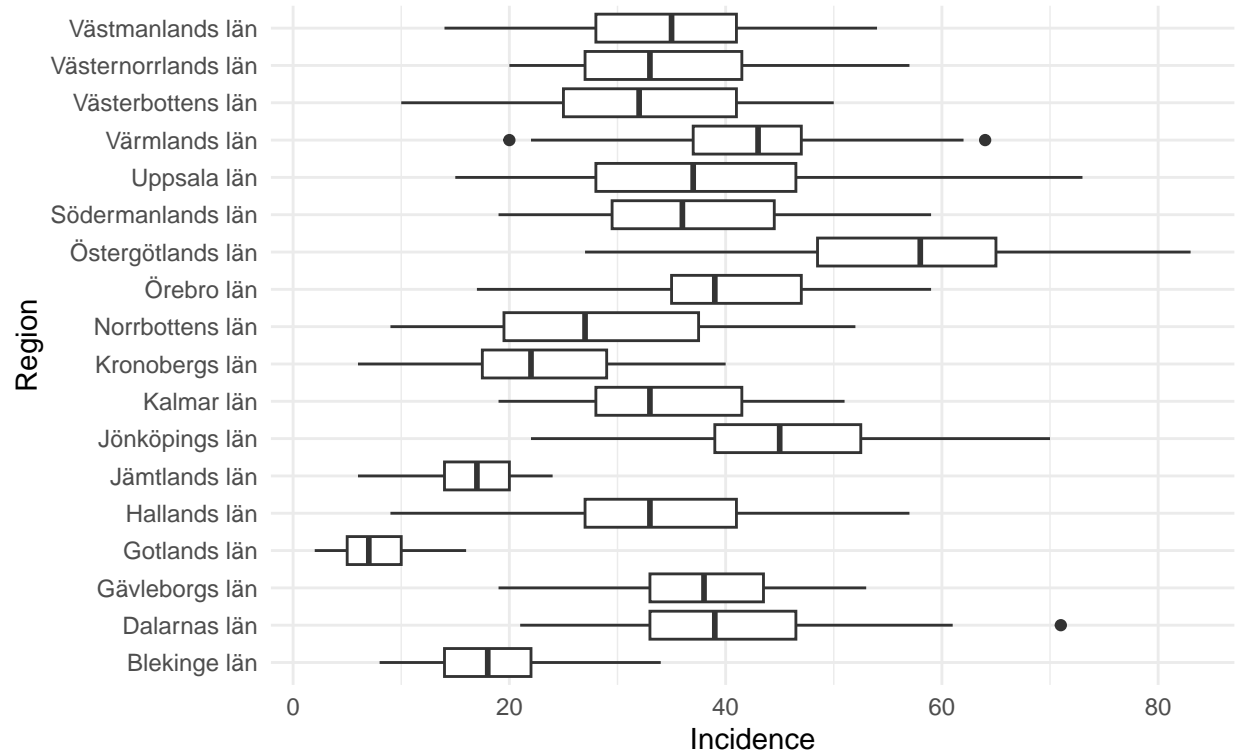
Descriptive stats for all regions over all years

Descriptive stats for all ages regardless of region

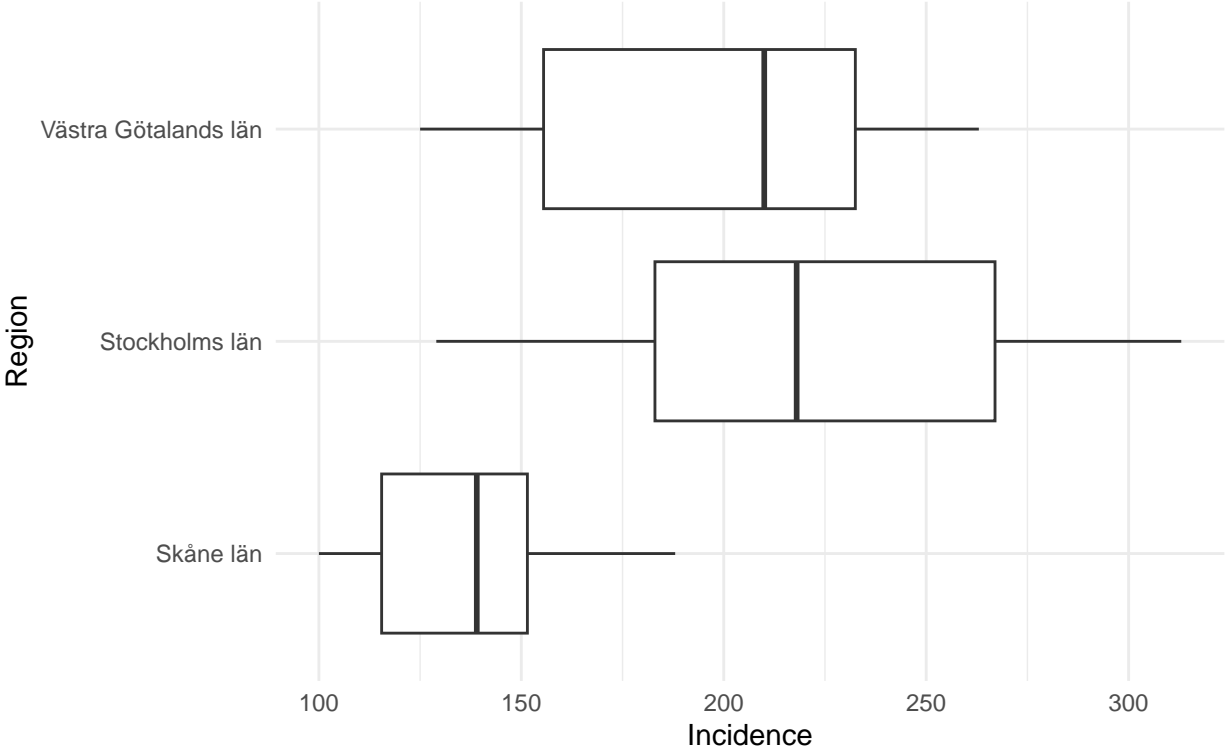
## Boxplots



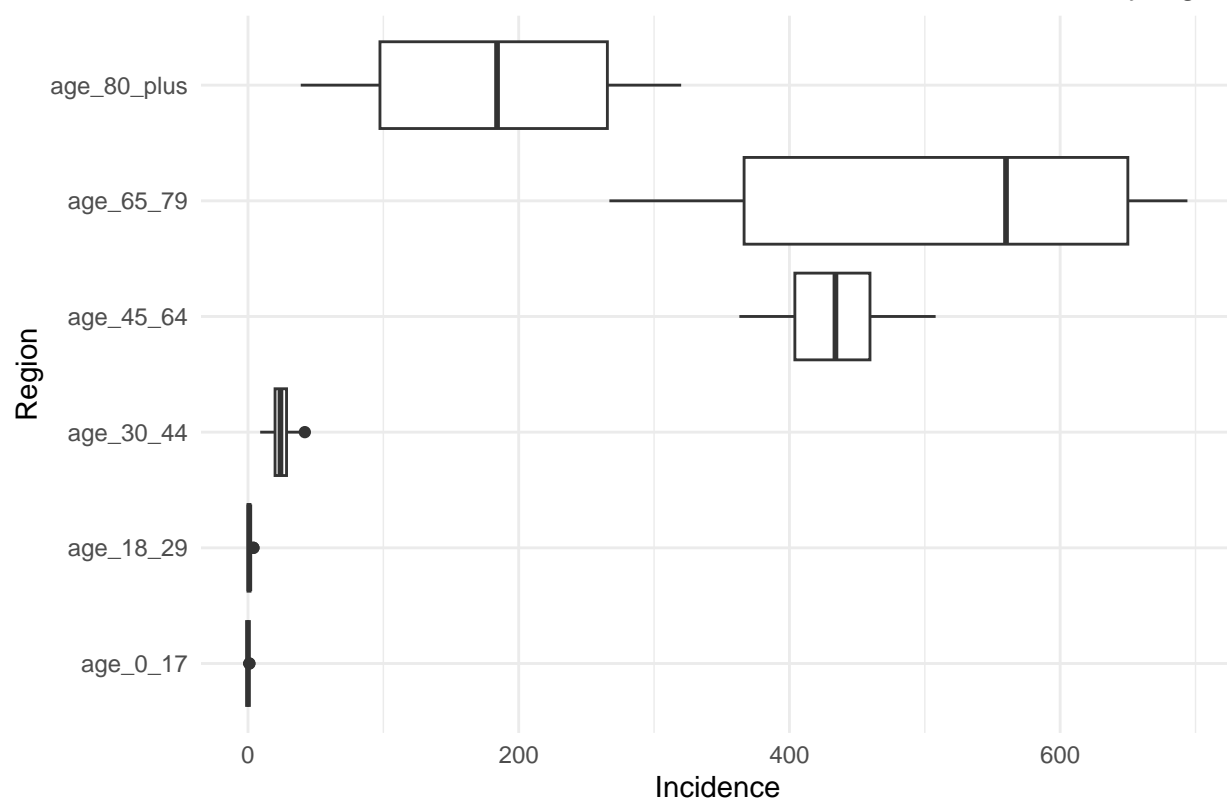
## Endometrial Cancer Incidence in Sweden from 1970–2024 by Region (except Stockholms Län, Västra Götalands Län, Skår)



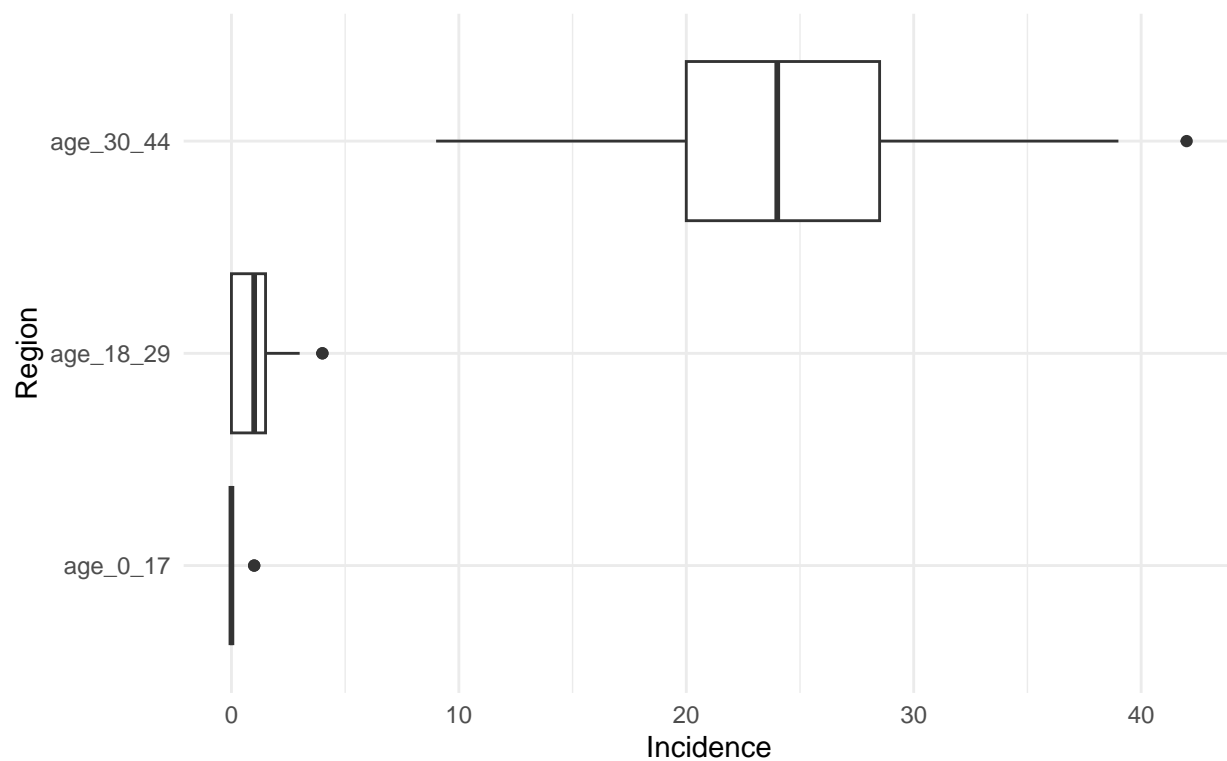
Endometrial Cancer Incidence in Sweden from 1970–2024 in  
Stockholms Län, Västra Götalands Län, Skåne Län Regions



Endometrial Cancer Incidence in Sweden from 1970–2024 by Age G

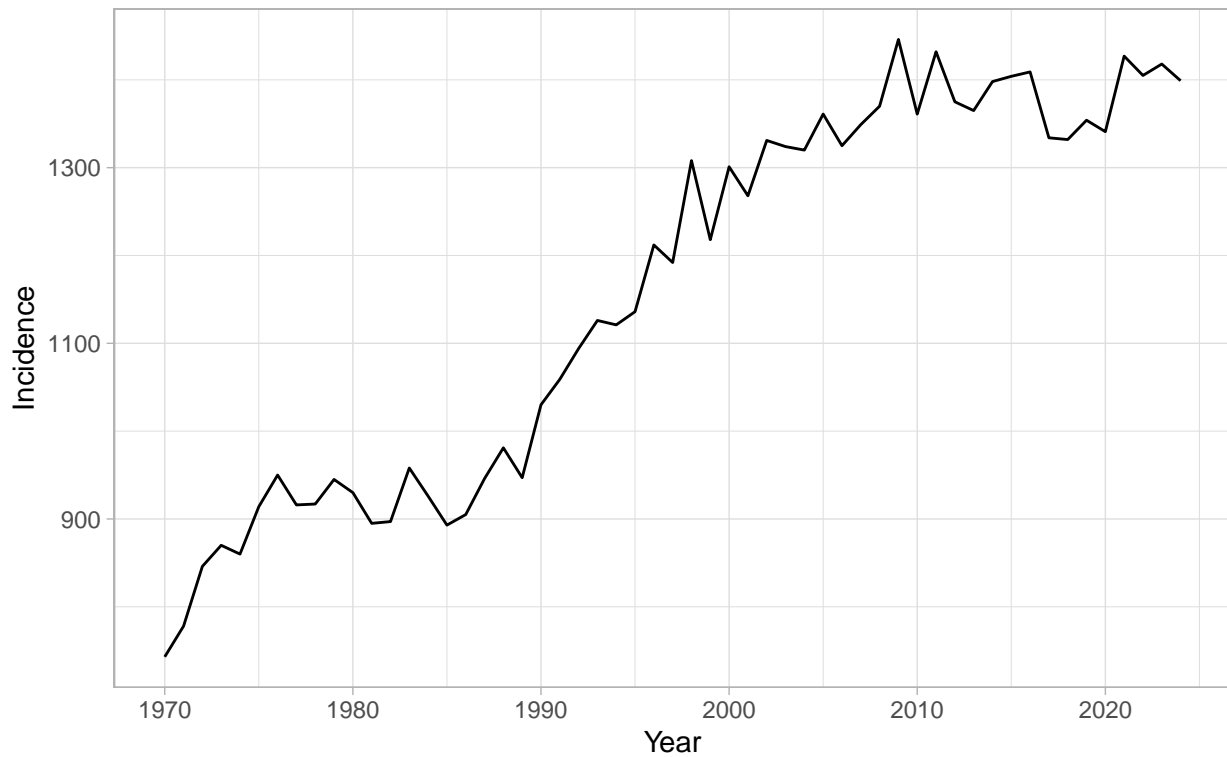


# Endometrial Cancer Incidence in Sweden from 1970–2024 by Age Groups 0–17, 18–29, 30–44

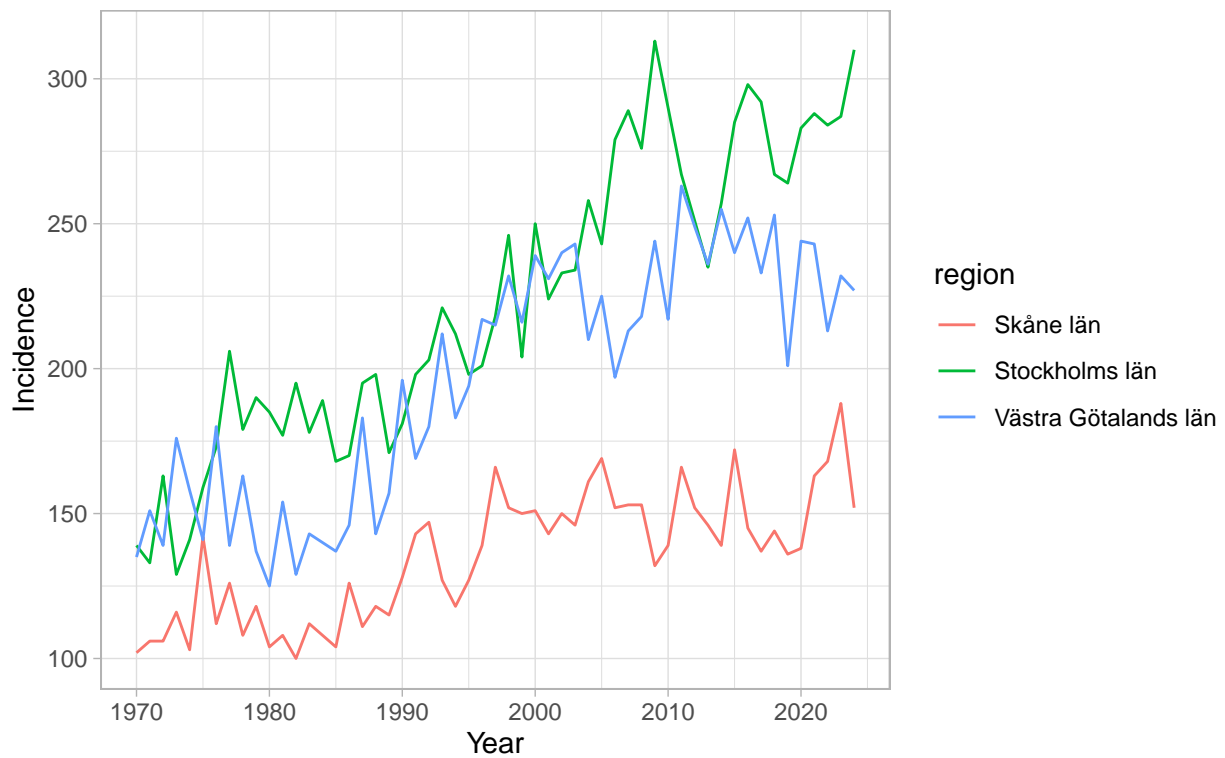


## Incidence over time

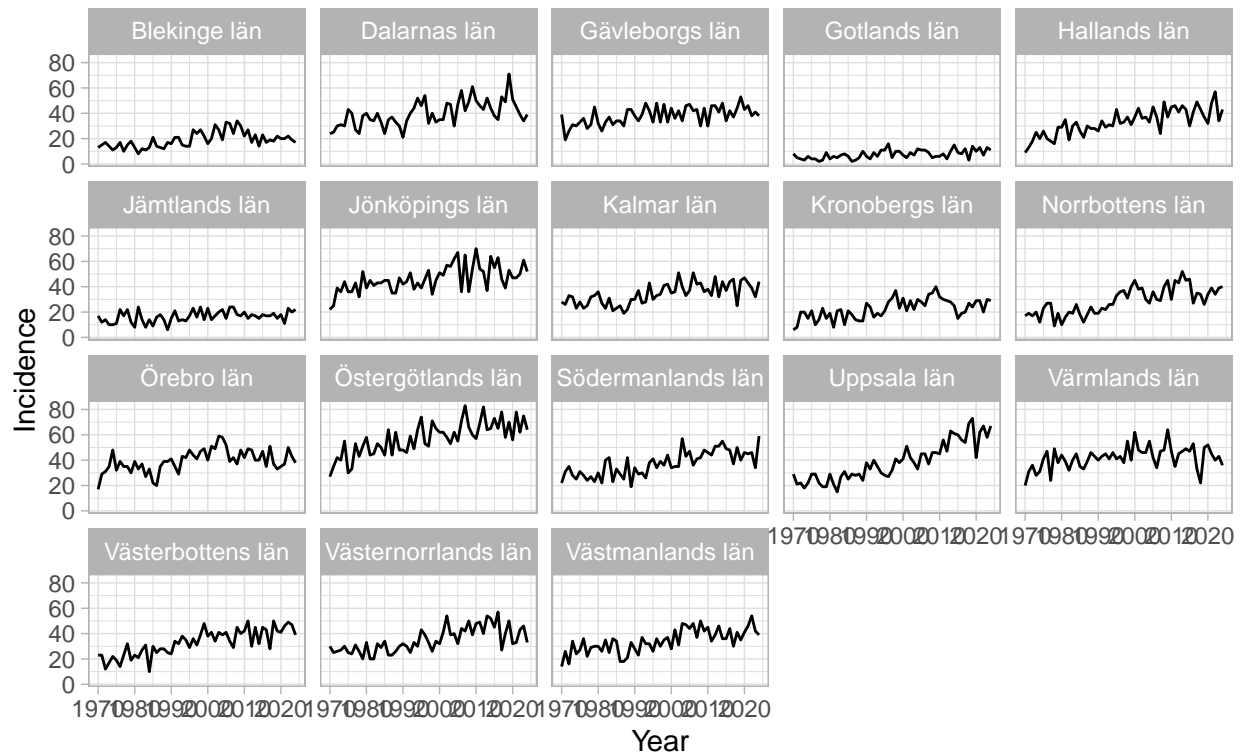
Endometrial Cancer Incidence in Sweden across All Regions and Ages from 1970–2024



Endometrial Cancer Incidence in Sweden in Skåne Län, Stockholms Län, Västra Götalands Län, and All Ages from 1970–2024



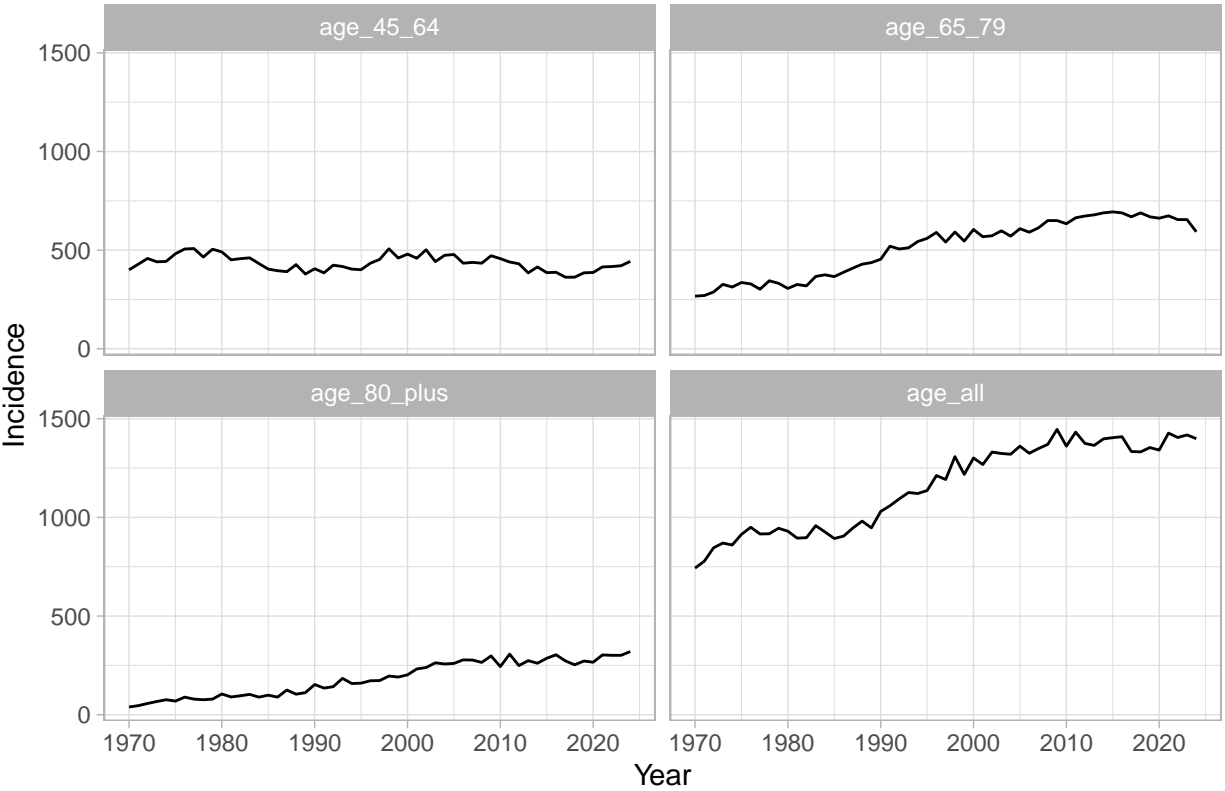
## Endometrial Cancer Incidence in Sweden (excluding Skåne Län, Stockholm Västra Götalands Län), and All Ages from 1970–2024



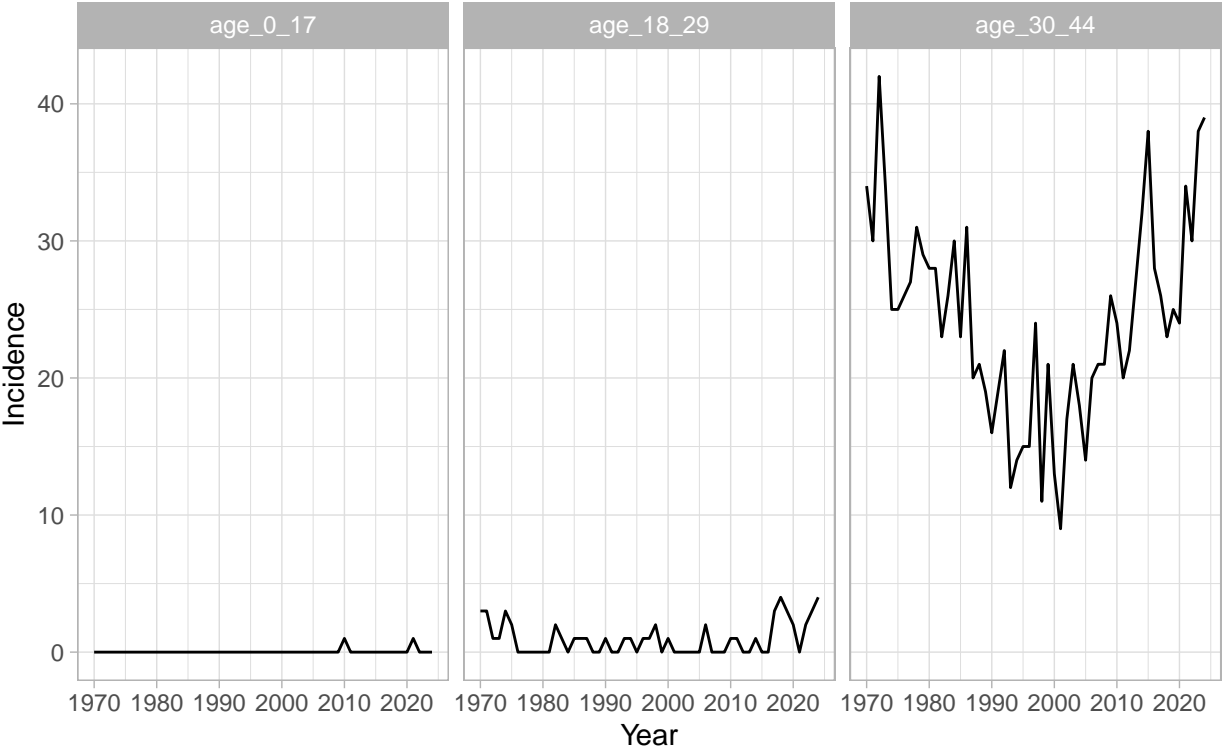
How can you group the counties together other than alphabetically as done here? Is there a way to show counties that border each other and do some sort of cluster analysis?



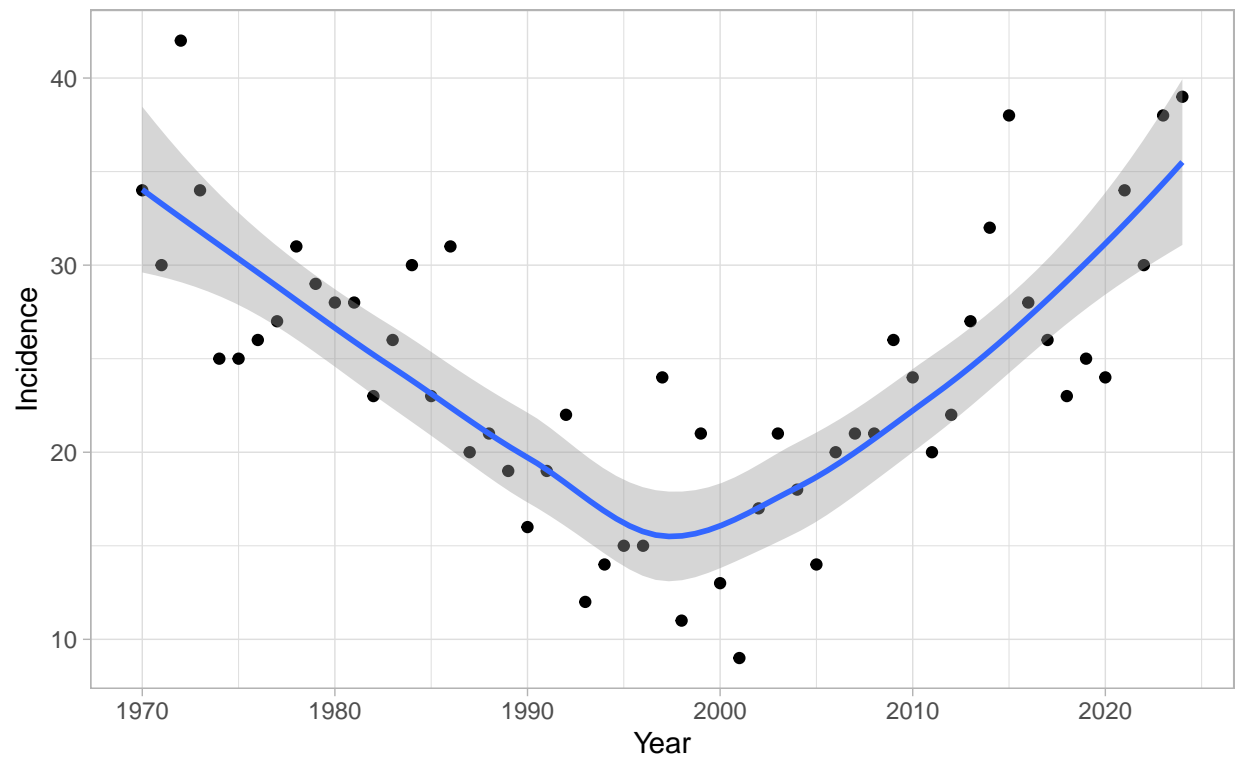
Endometrial Cancer Incidence in Sweden by Age Group from 1970–2024



Endometrial Cancer Incidence among Ages 0–44 in Sweden  
by Age Group from 1970–2024

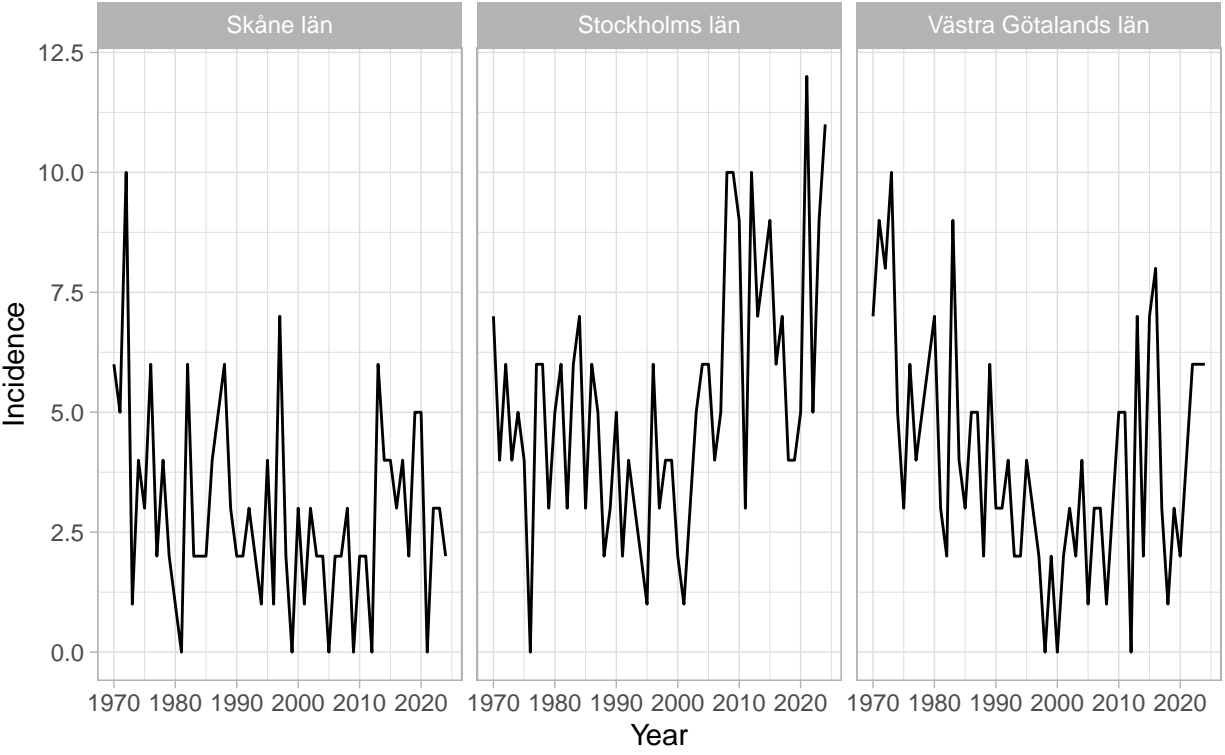


### Endometrial Cancer Incidence among Ages 30–44 in Sweden by Age Group from 1970–2024



Interesting that there was a decline until early 2000s and now there's an increase. Is it significant, and how does it compare across other Nordic countries? How do mortality rates compare in this age range as well?

Endometrial Cancer Incidence among Swedish Women Ages 30–44 in Skåne, Stockholm, and Västra Götalands Län Regions from 1970–2024



# Endometrial Cancer Incidence among Swedish Women Ages 30–44 by Regi (excluding Skåne Län, Stockholms Län, Västra Götalands Län)

