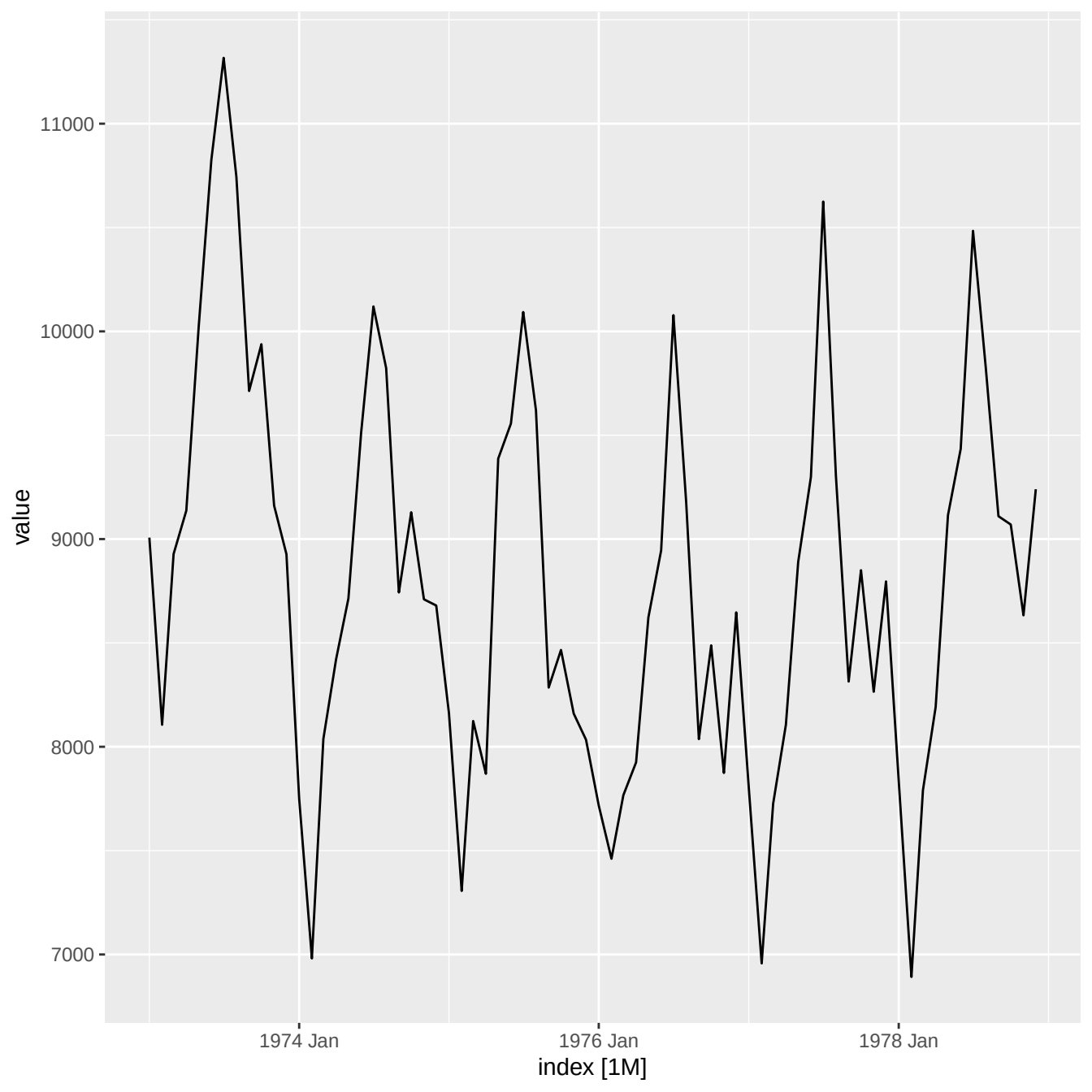
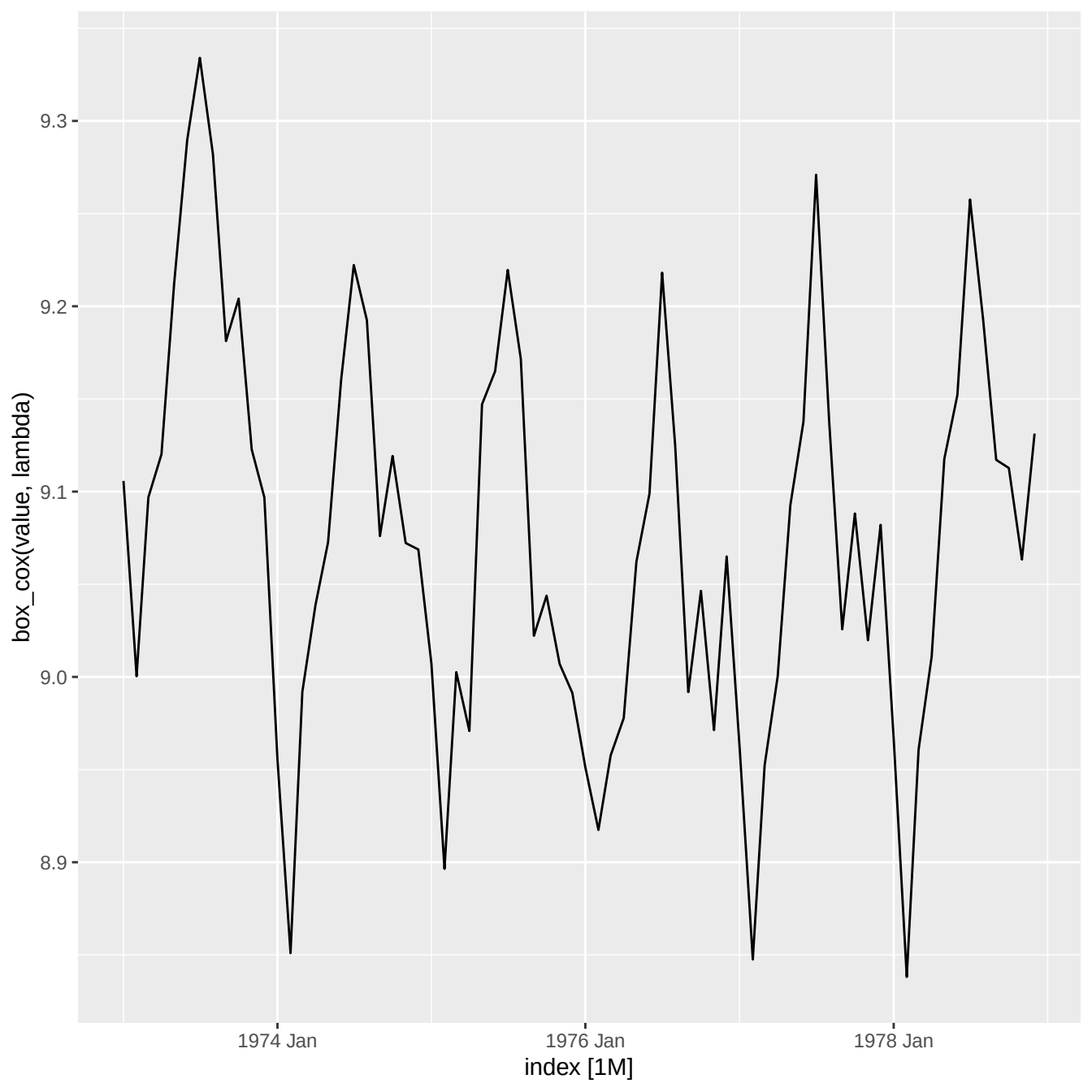
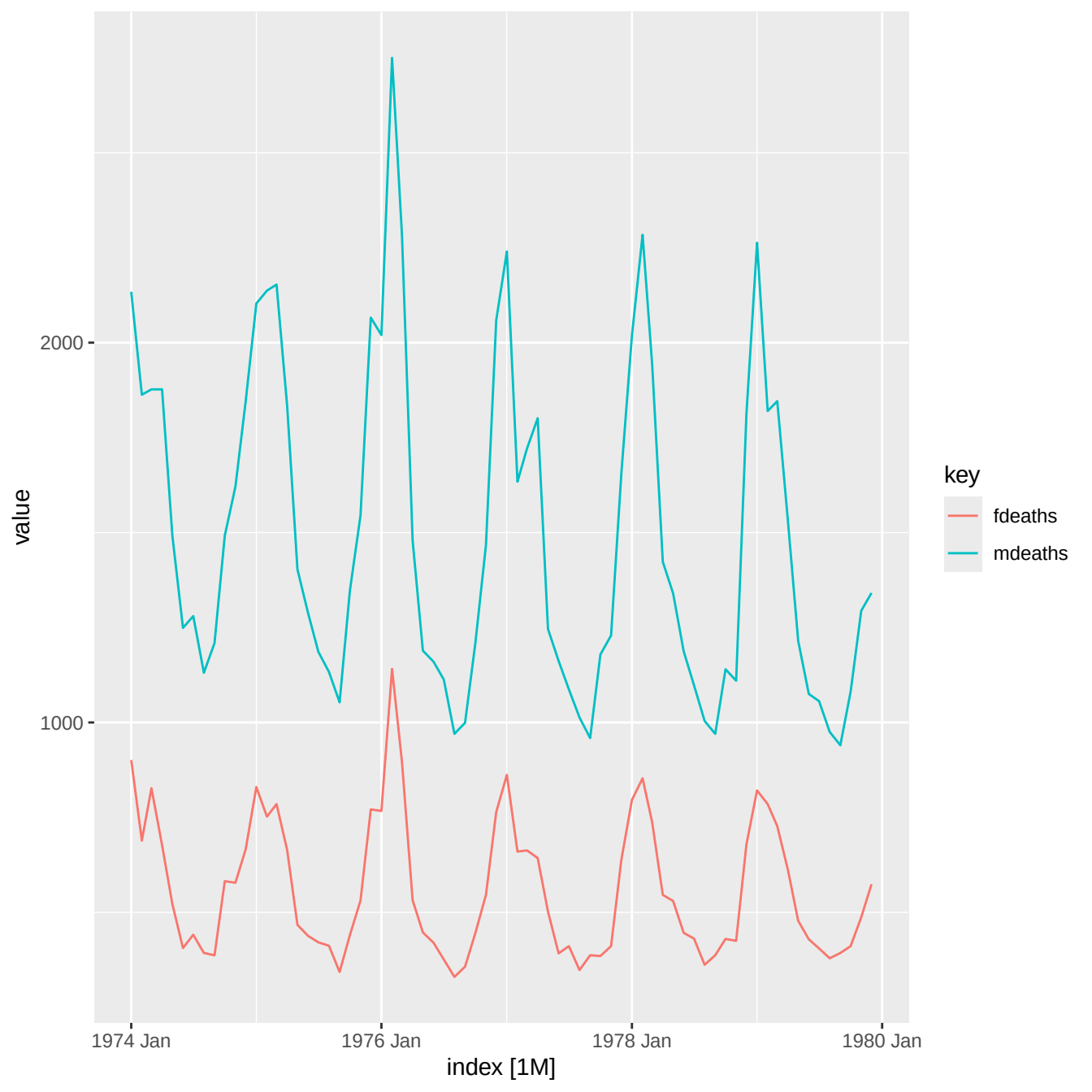
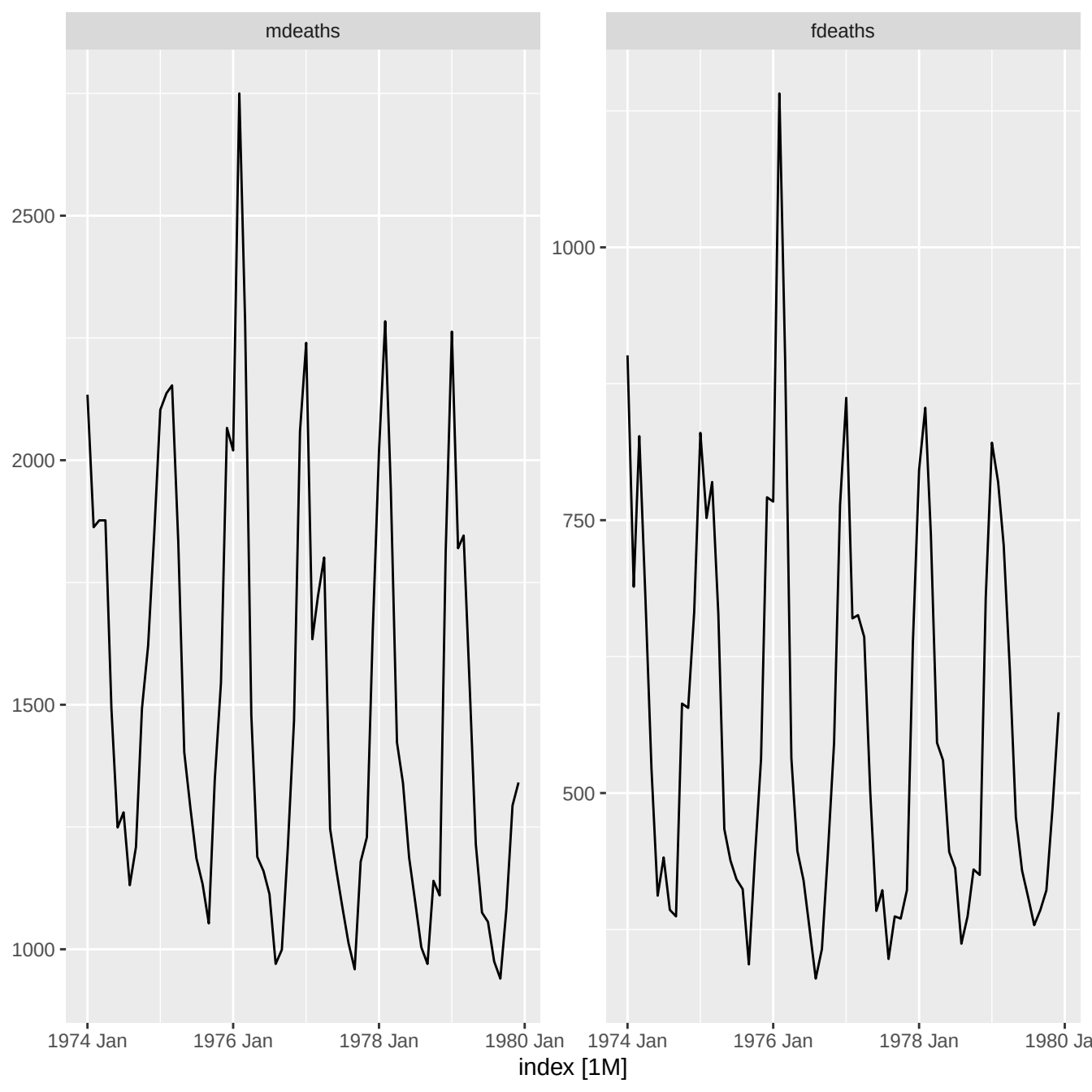
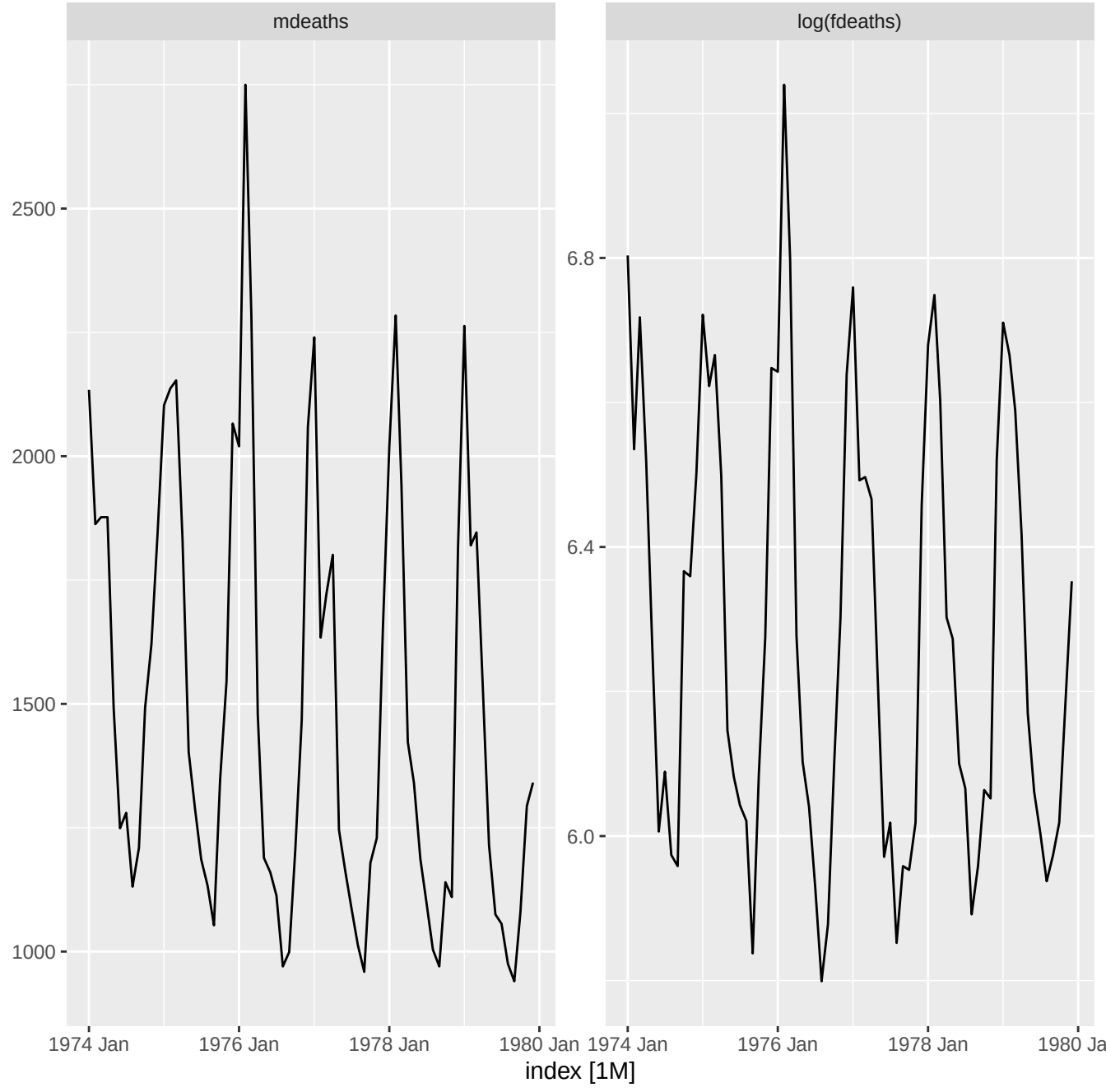
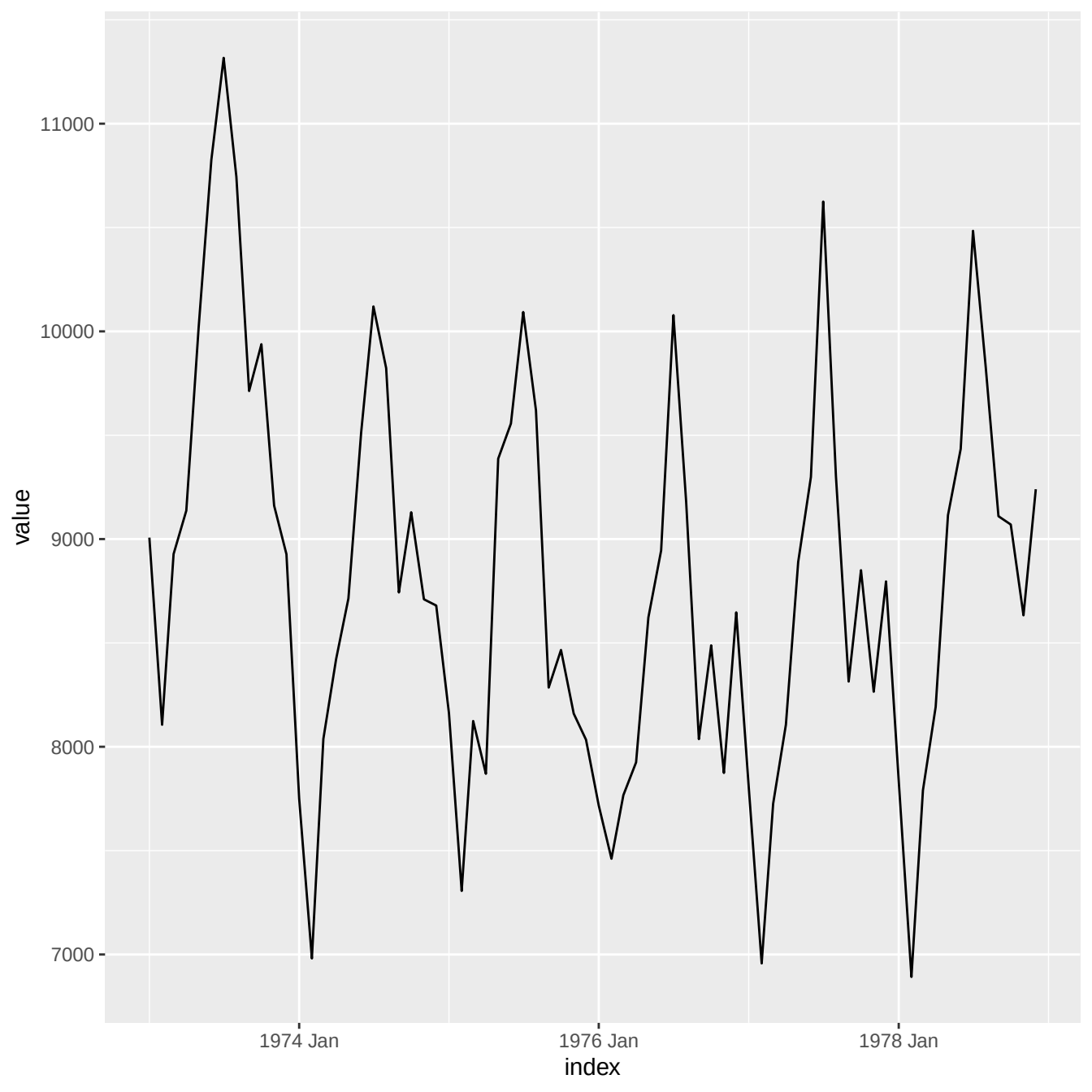

11000
10000
9000
8000
7000
value
1974 Jan
1976 Jan
1978 Jan
index [1M]

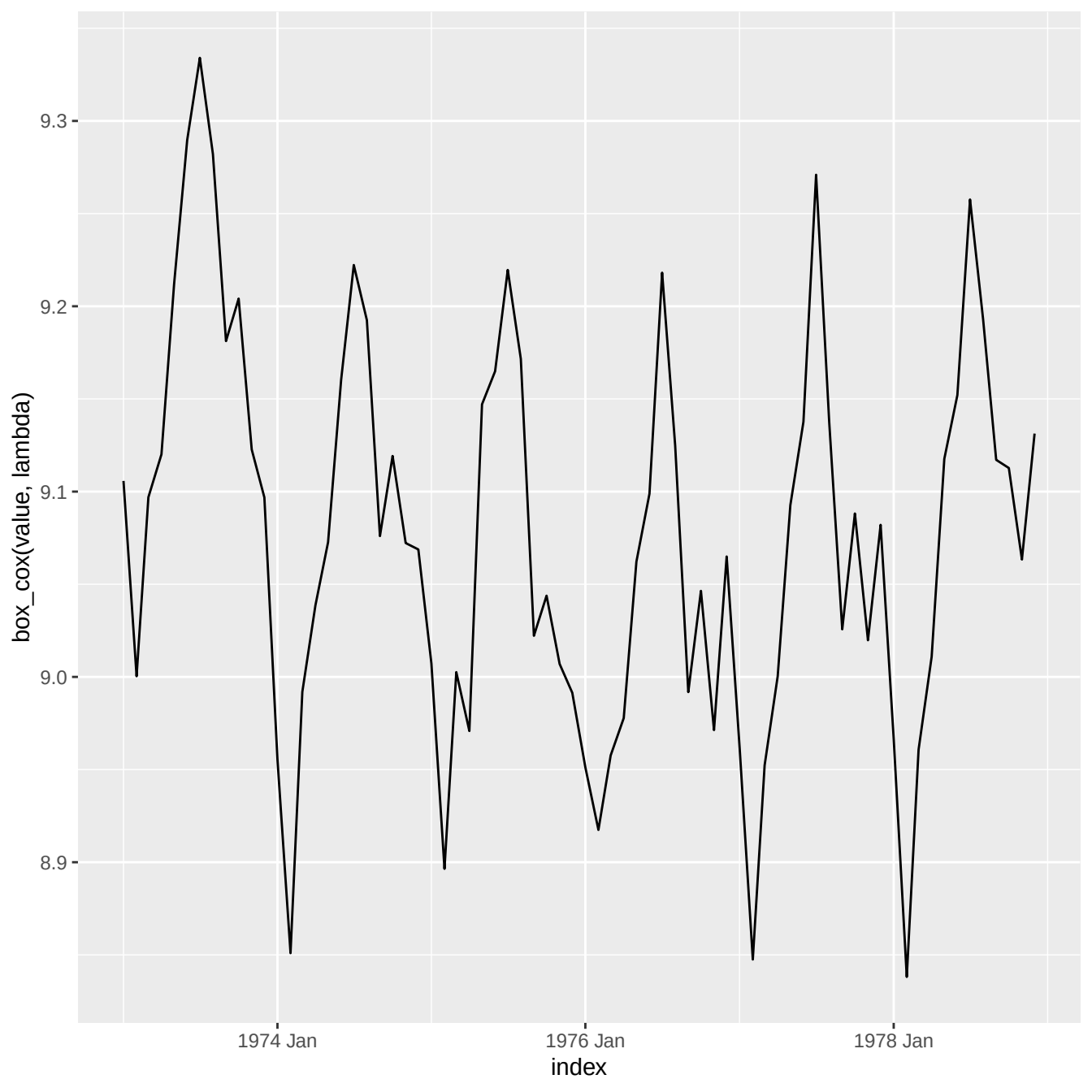

9.3
9.2
9.1
9.0
8.9
box_cox(value, lambda)
1974 Jan
1976 Jan
1978 Jan
index [1M]

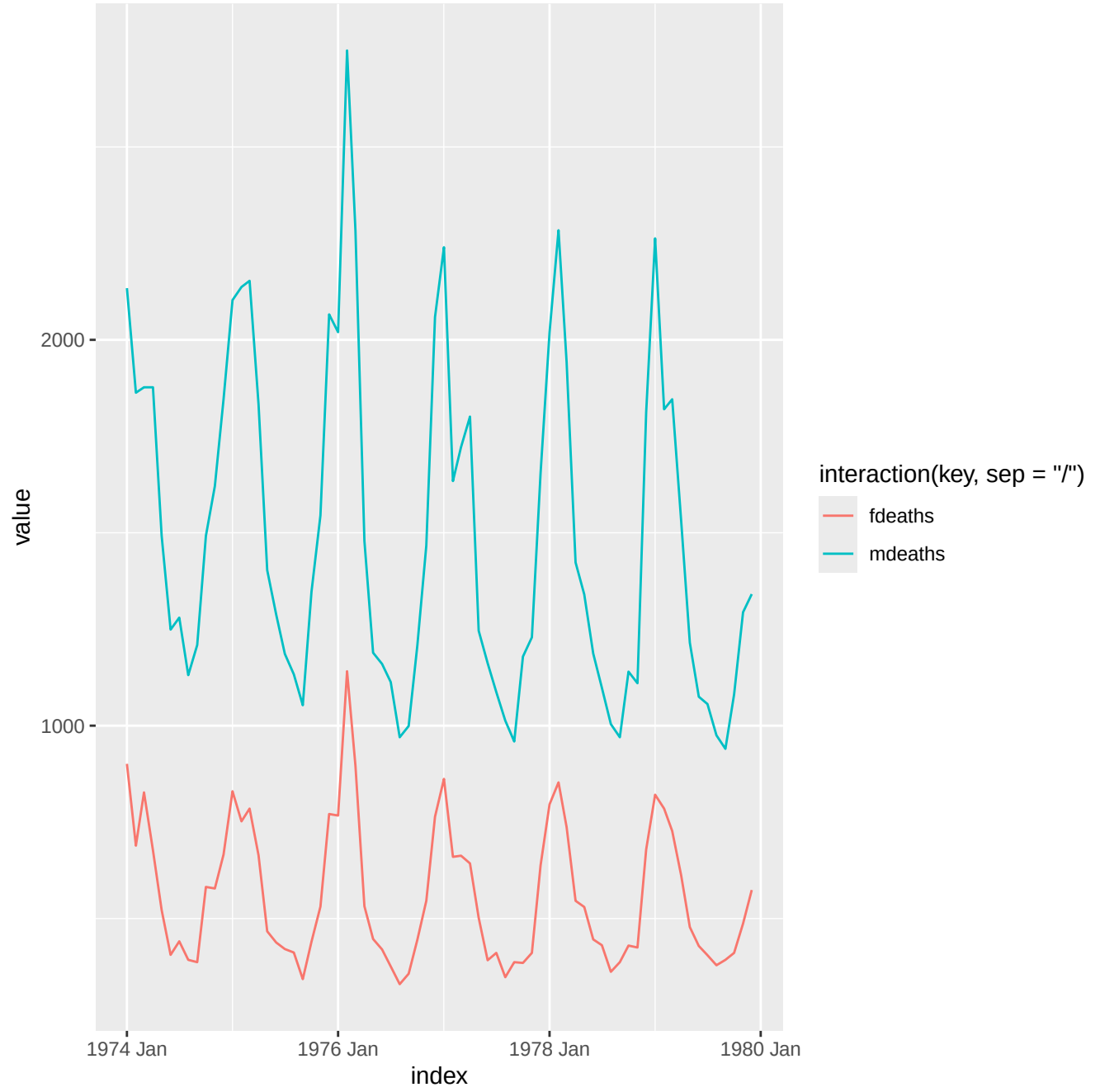

2000
1000
value
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index [1M]
key
fdeaths
mdeaths

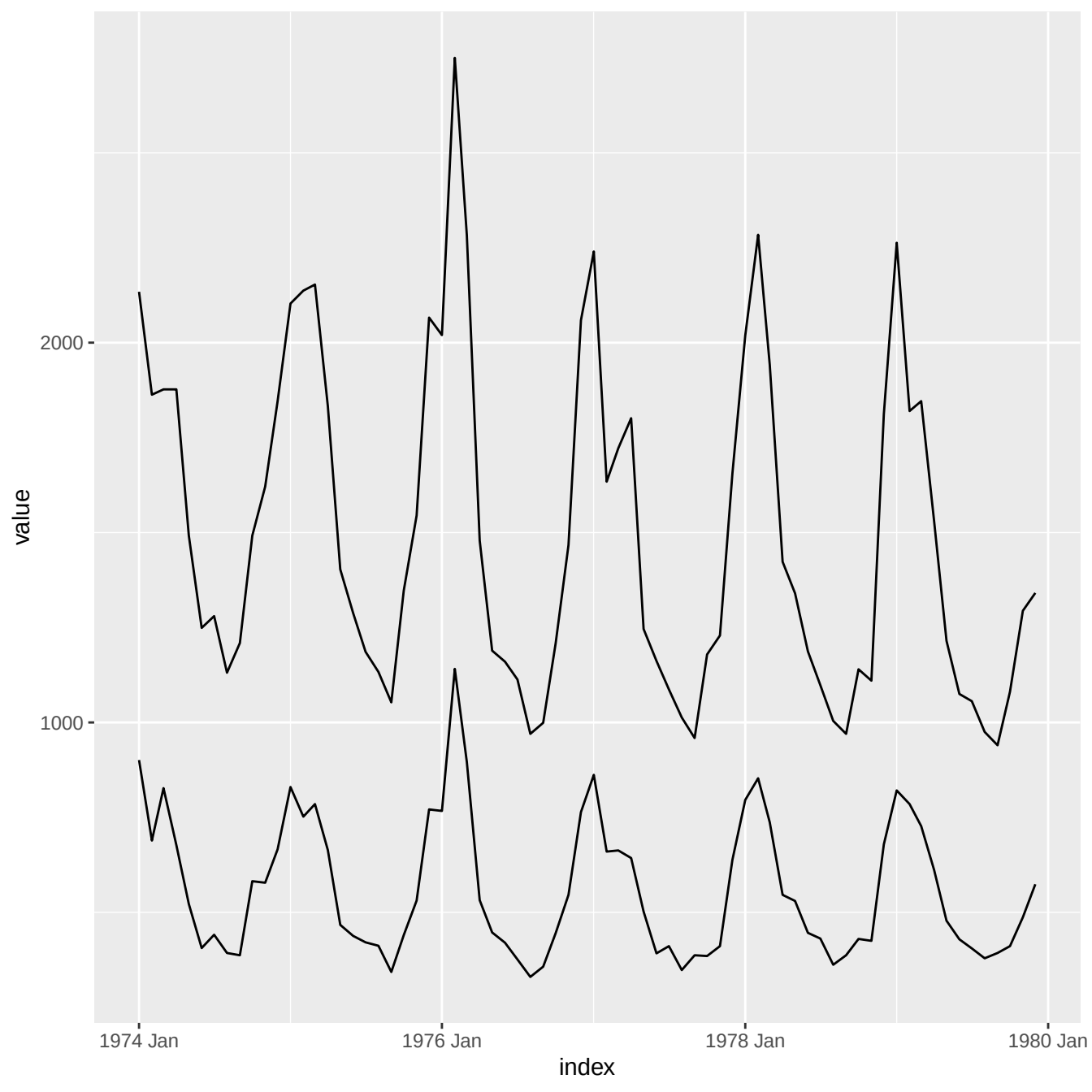

mdeaths
fdeaths
2500
2000
1500
1000
1000
750
500
1974 Jan
1976 Jan
1978 Jan
1980 Jan
1974 Jan
1976 Jan
1978 Jan
1980 Ja
index [1M]

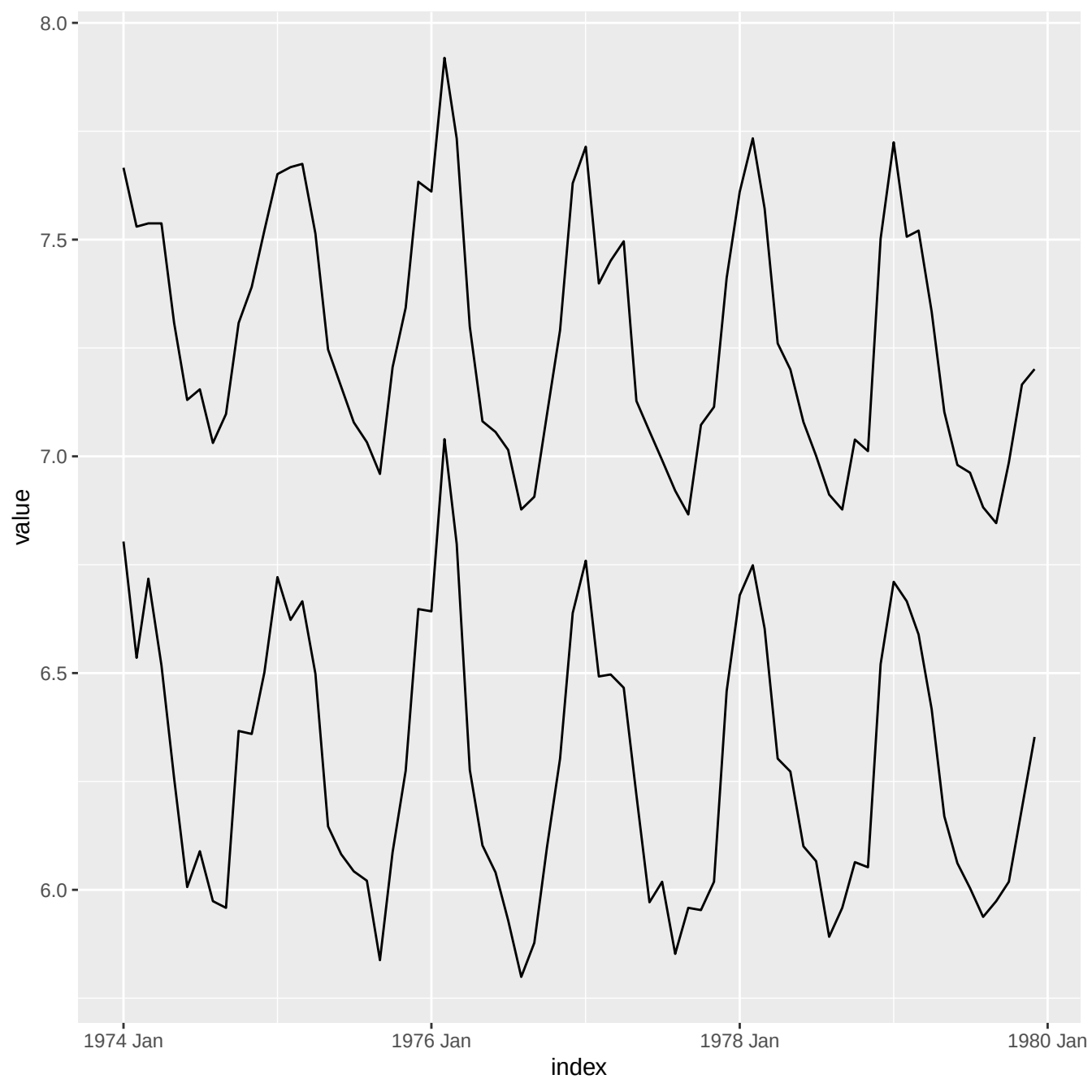

mdeaths
log(fdeaths)
2500
2000
1500
1000
6.8
6.4
6.0
1974 Jan
1976 Jan
1978 Jan
1980 Jan
1974 Jan
1976 Jan
1978 Jan
1980 Ja
index [1M]


11000
10000
9000
8000
7000
value
1974 Jan
1976 Jan
1978 Jan
index

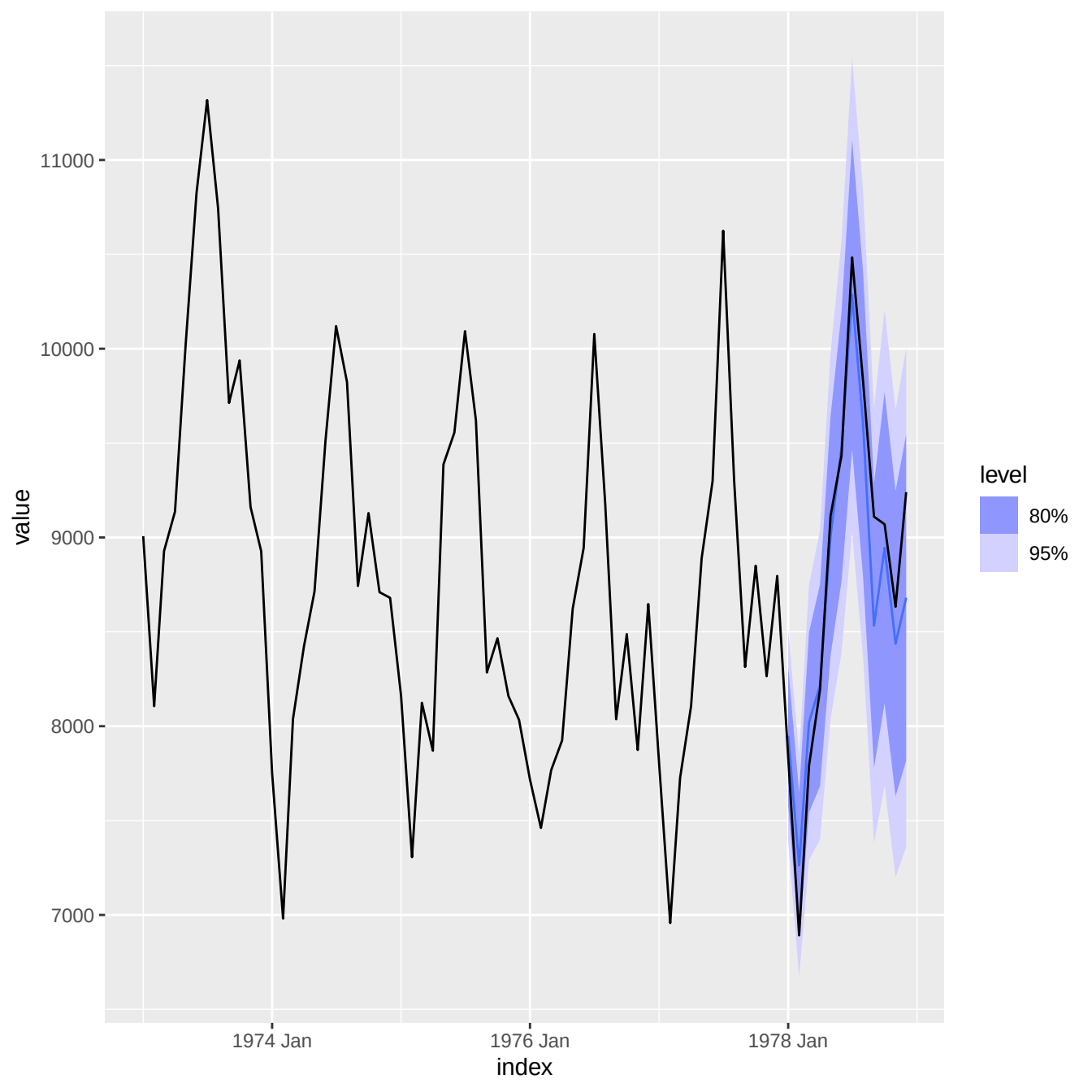

9.3
9.2
9.1
9.0
8.9
box_cox(value, lambda)
1974 Jan
1976 Jan
1978 Jan
index

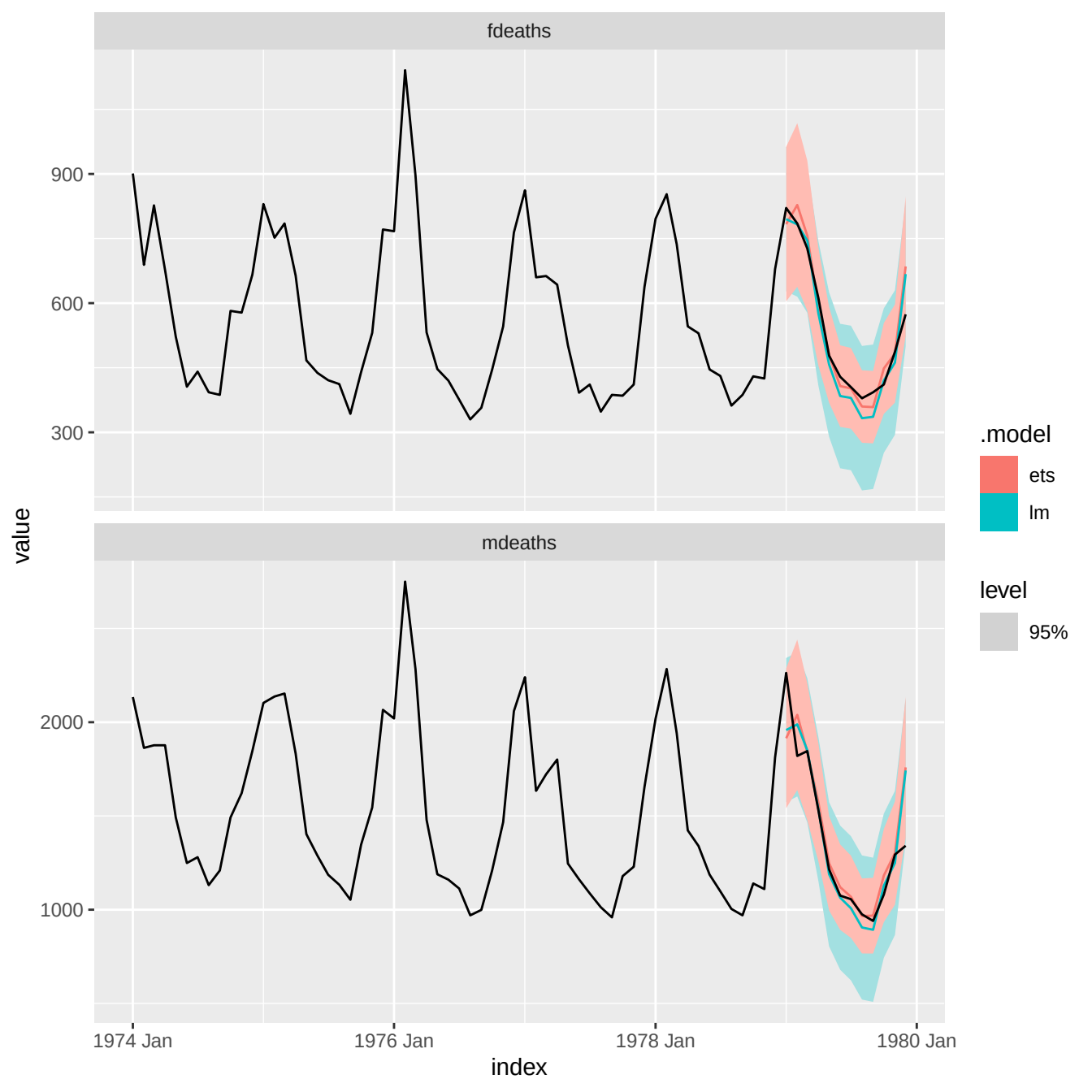

value
2000
1000
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index
interaction(key, sep = "/")
fdeaths
mdeaths

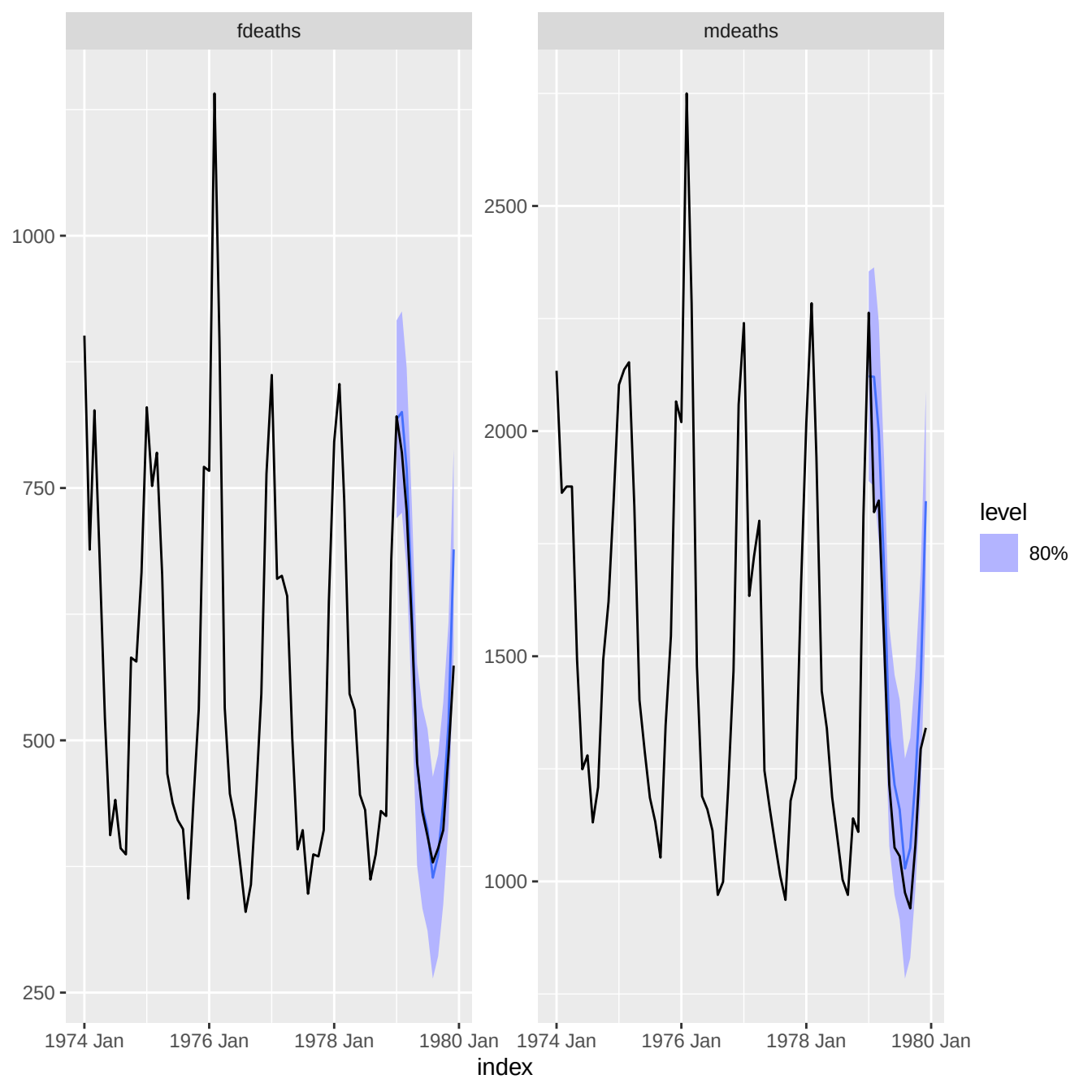

2000
1000
value
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index

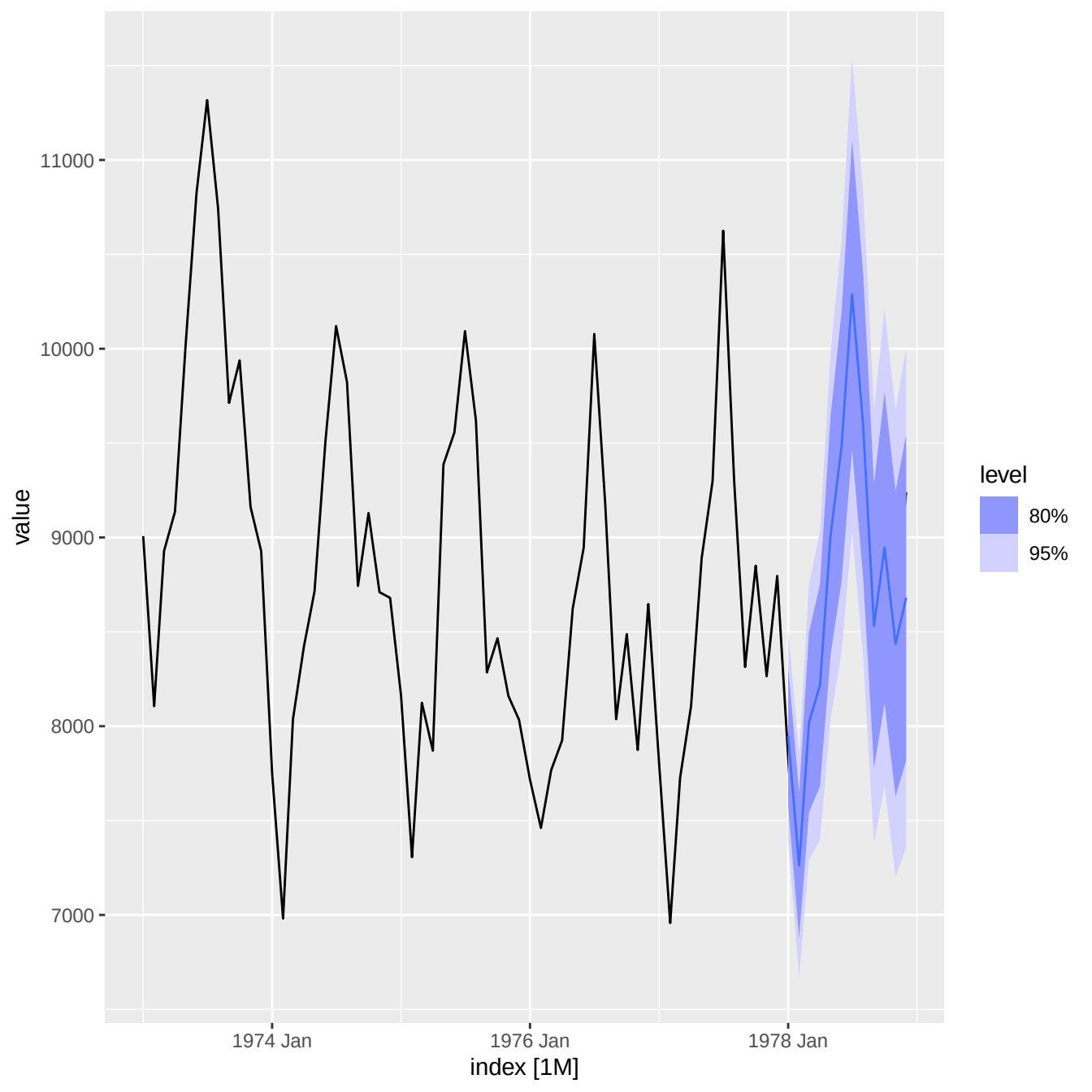

8.0
7.5
7.0
6.5
6.0
value
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index

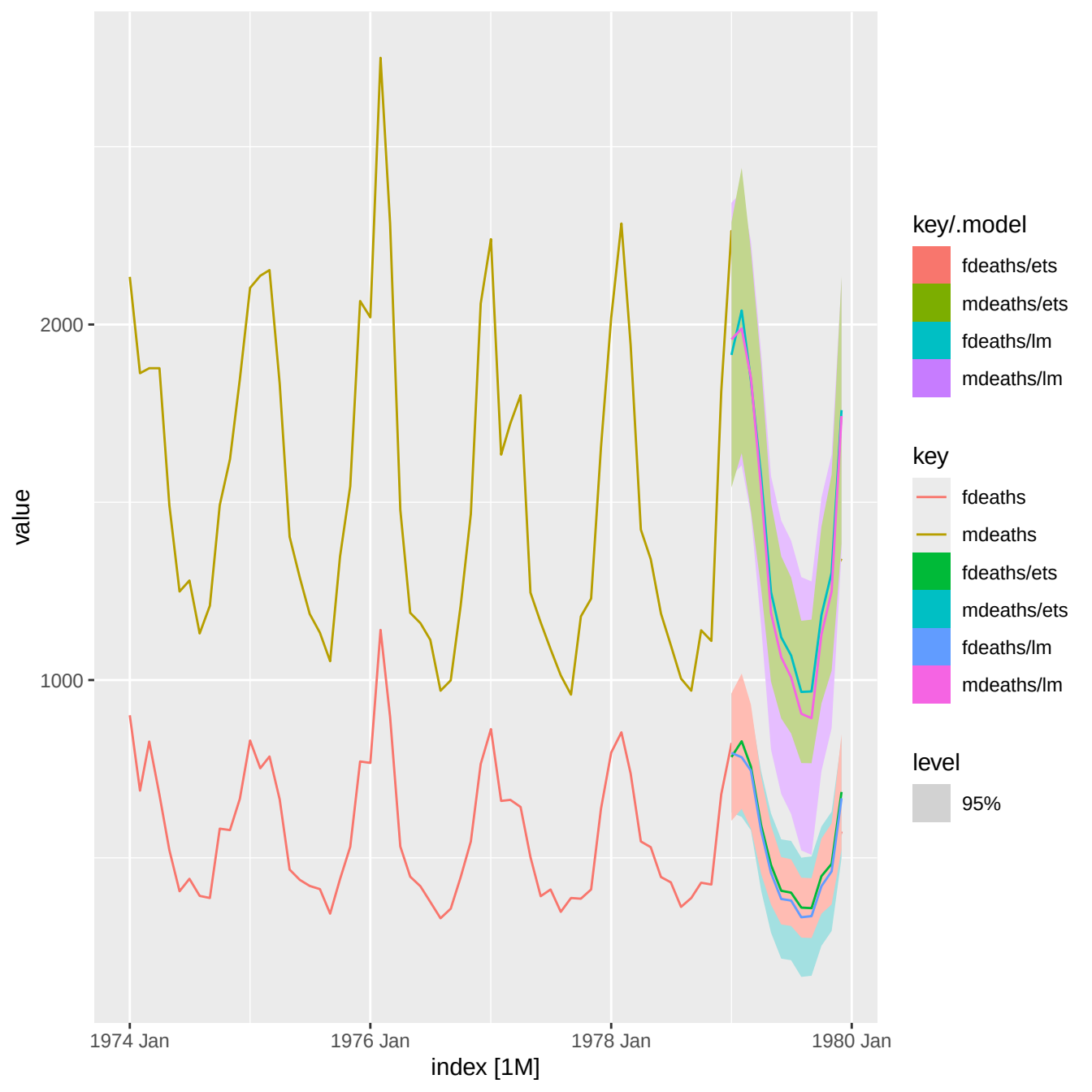
11000
10000
9000
8000
7000
value
1978 Jan
1978 Apr
1978 Jul
1978 Oct
index
level
80%
95%

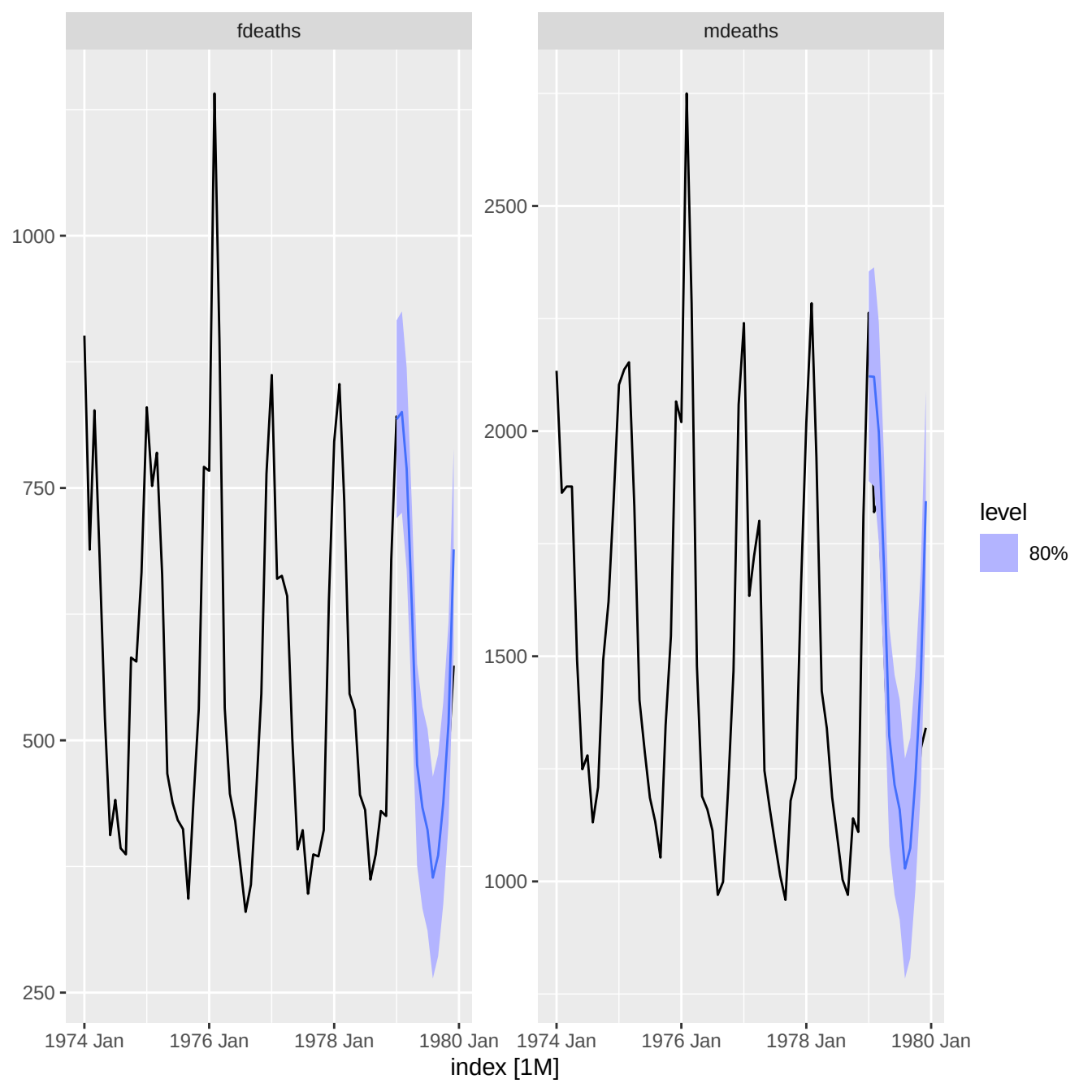

11000
10000
9000
8000
7000
value
1974 Jan
1976 Jan
1978 Jan
index
level
80%
95%

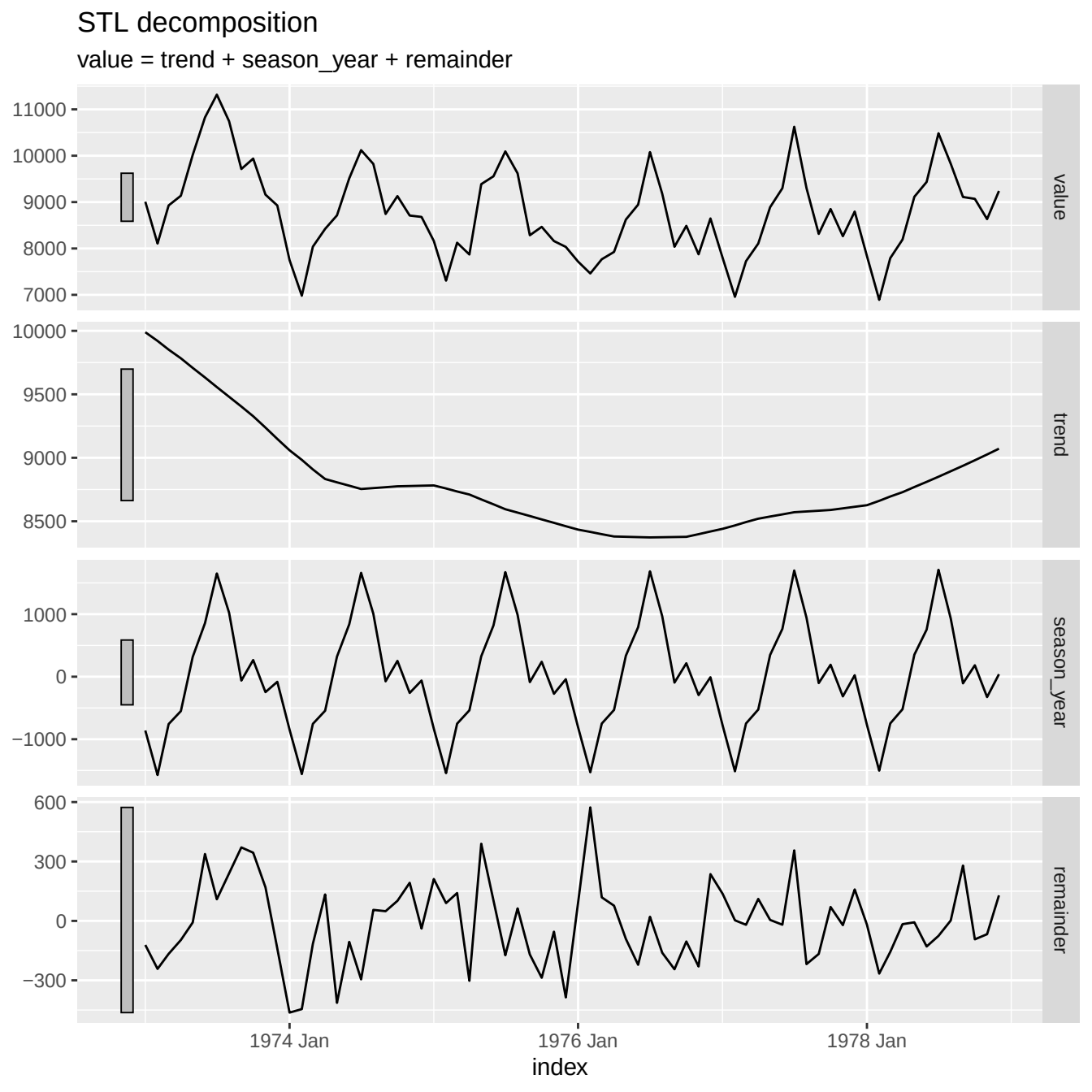

fdeaths
mdeaths
900
600
300
2000
1000
value
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index
.model
ets
lm
level
95%

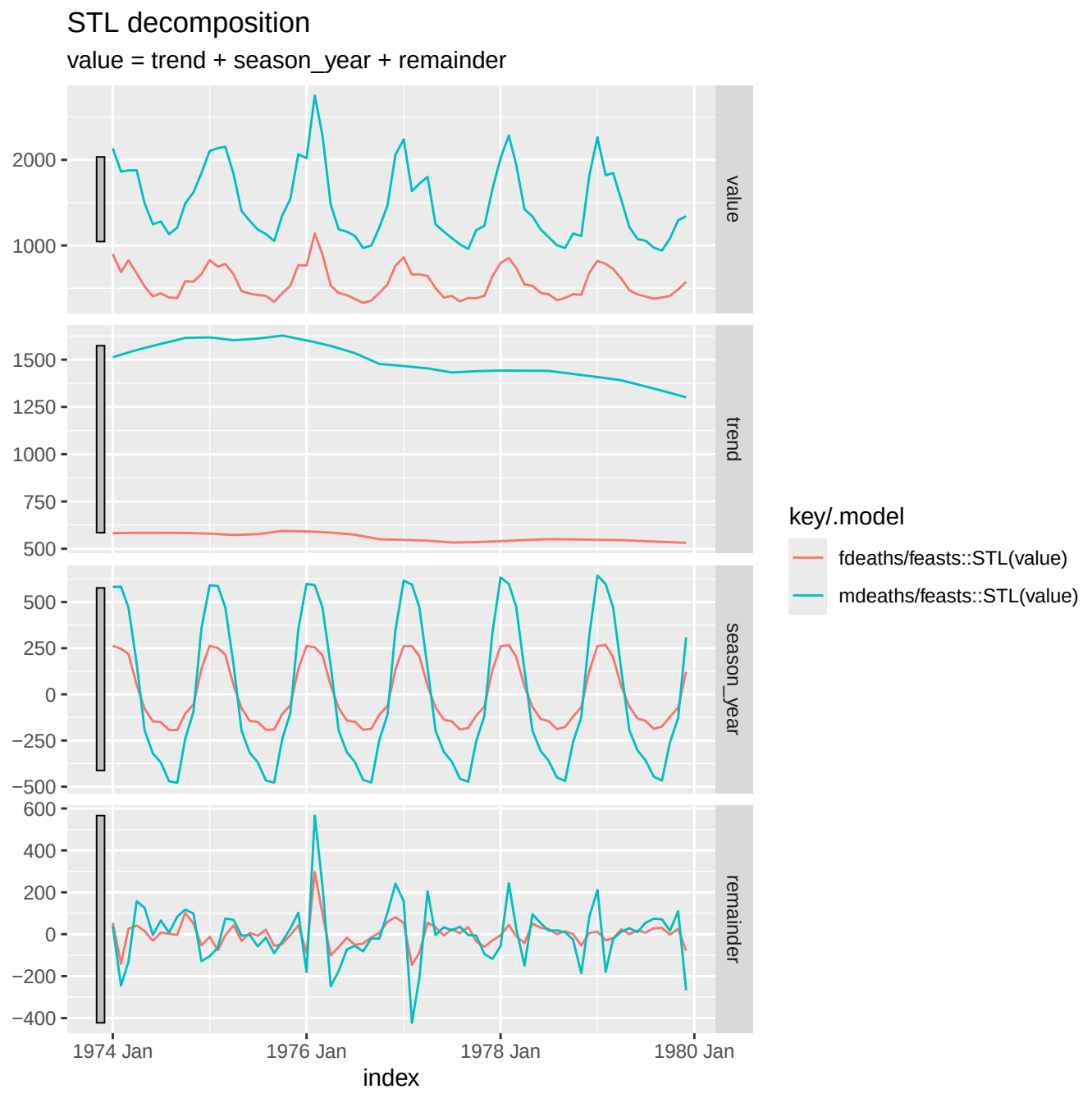

fdeaths
mdeaths
1000
750
500
250
2500
2000
1500
1000
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index
level
80%


11000
10000
9000
8000
7000
value
1974 Jan
1976 Jan
1978 Jan
index [1M]
level
80%
95%


value
2000
1000
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index [1M]
key/.model
fdeaths/ets
mdeaths/ets
fdeaths/lm
mdeaths/lm
key
fdeaths
mdeaths
fdeaths/ets
mdeaths/ets
fdeaths/lm
mdeaths/lm
level
95%


fdeaths
mdeaths
1000
750
500
250
2500
2000
1500
1000
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index [1M]
level
80%


STL decomposition
value = trend + season_year + remainder
11000
10000
9000
8000
7000
value
10000
9500
9000
8500
trend
1000
0
−1000
season_year
600
300
0
−300
remainder
1974 Jan
1976 Jan
1978 Jan
index


STL decomposition
value = trend + season_year + remainder
value
trend
season_year
remainder
2000
1000
1500
1250
1000
750
500
500
250
0
−250
−500
600
400
200
0
−200
−400
1974 Jan
1976 Jan
1978 Jan
1980 Jan
index
key/.model
fdeaths/feasts::STL(value)
mdeaths/feasts::STL(value)