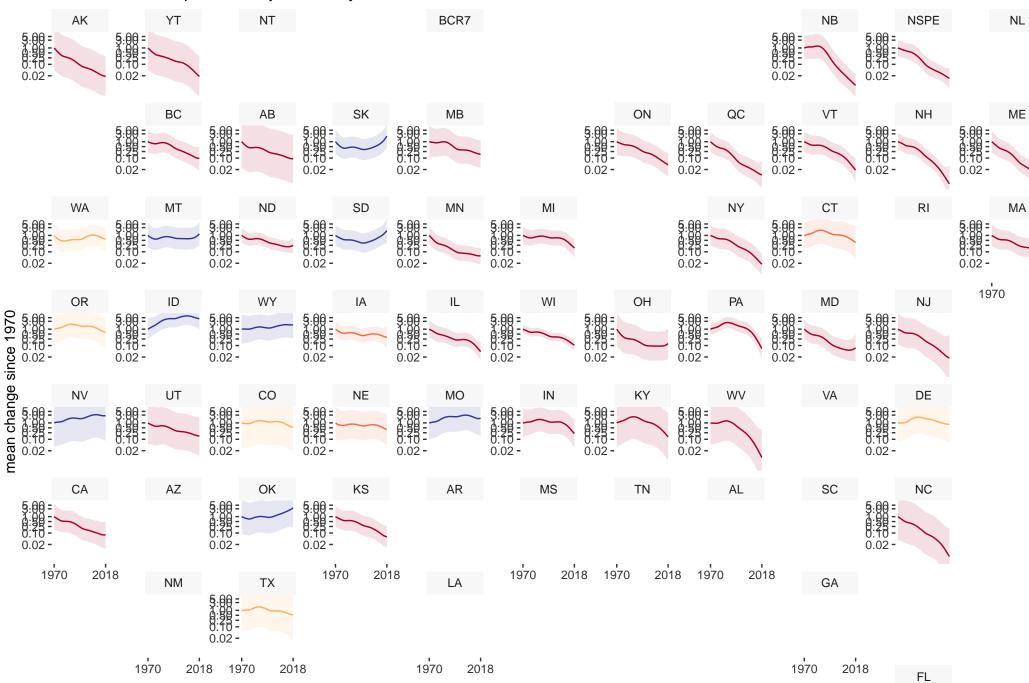
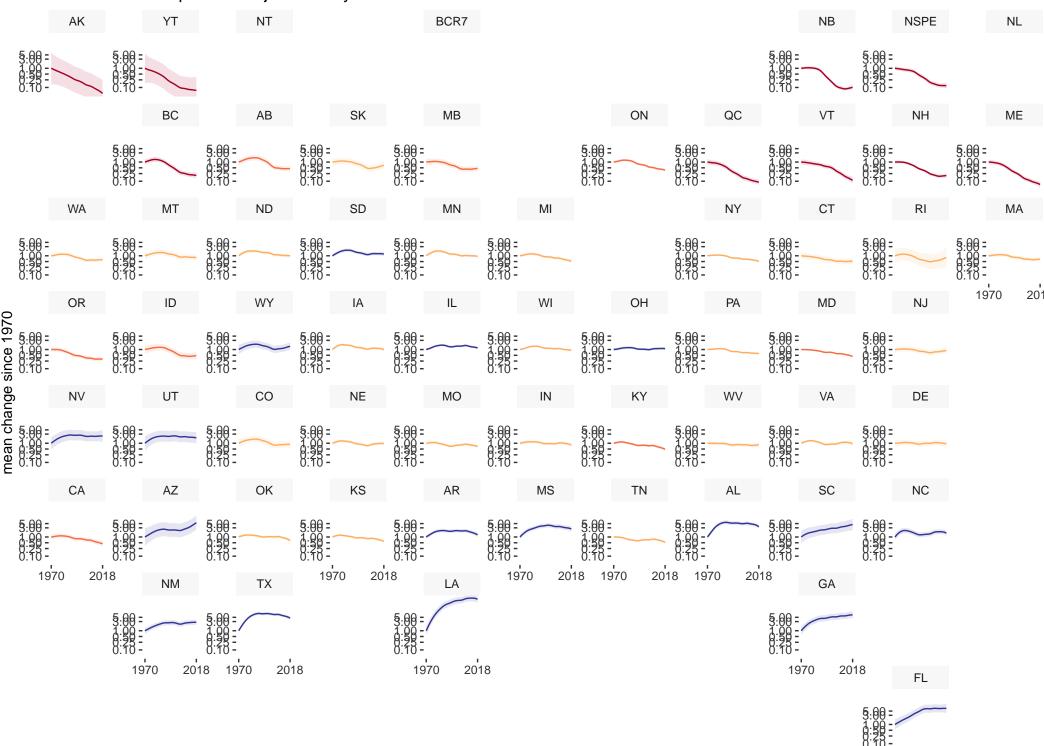
Bank Swallow Population trajectories by Provinces and States



Barn Swallow Population trajectories by Provinces and States



Cliff Swallow Population trajectories by Provinces and States ΥT NT BCR7 **NSPE** NB NL 5:00 = 0:02 = ВС AB SK MB ON QC NH ME VT 5.90 = 0.02 -WA ND SD MN MI RI MA 1970 2018 mean change since 1970 UT CO NE MO DE KY CA OK KS AR MS NC 5:00 = -0:02 - -1970 5:00 = 1 0:02 - 1 1970 5.02 = 0.02 = 1970 2018 2018 1970 2018 2018 1970 2018 TX LA GΑ NM

2018

1970

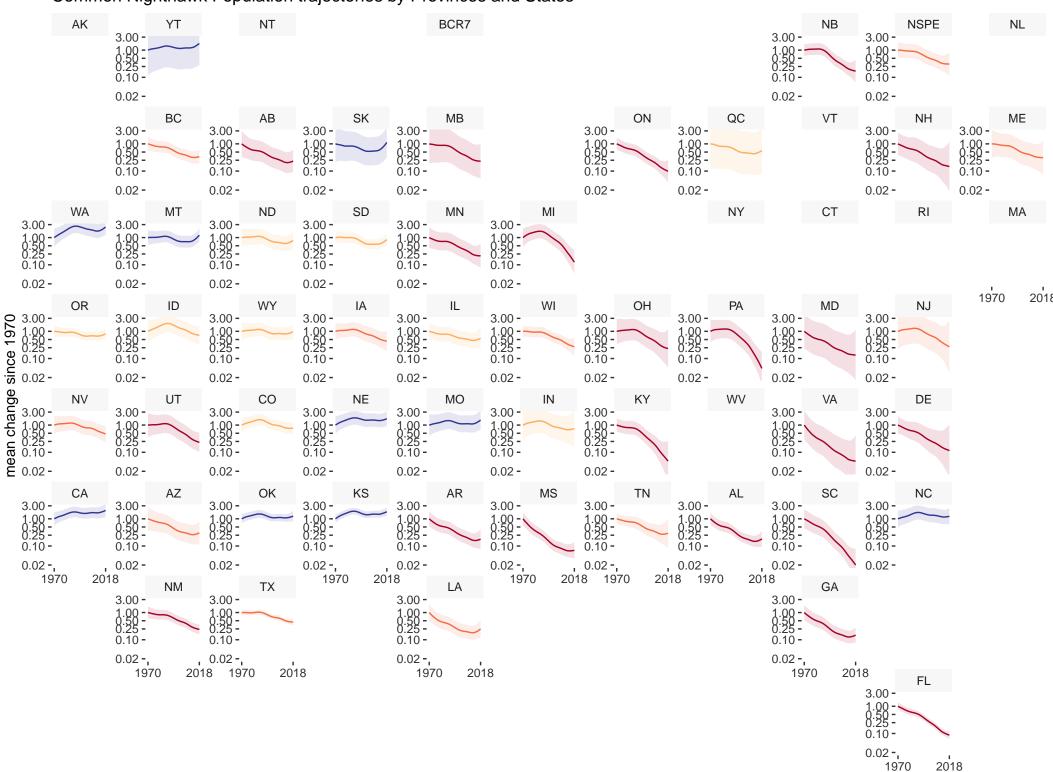
1970

2018 1970

FL

1970

Common Nighthawk Population trajectories by Provinces and States



0.5 -

1970

Purple Martin Population trajectories by Provinces and States NT BCR7 YT**NSPE** NB NL ВС AΒ SK MB QC ON VTNH ME WA MT ND MNMI NY CT RI MA 5:00 = 0:00 = 0:00 = 0.02 = 1970 2018 ОН NJ mean change since 1970 5:00 = 0:00 = 0:10 = 0:02 = UT MO DE CO NV ΝE IN ΚY WV CA OK KS AR MS SC NC TN 1970 2018 1970 2018 2018 1970 2018 1970 2018 1970 NM TX LA GΑ 1970 1970 1970 2018 1970 2018 2018 2018 FL

1970

Tree Swallow Population trajectories by Provinces and States AK ΥT NT BCR7 **NSPE** NB NL ВС AΒ SK ON QC NH ME MB VT 5:00 = 3:00 = 0:40 -5:00 = 5:00 = 5:00 = 1 CT WA MT ND SD MN MI RI MA 5:00 = 5:00 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6:40 = 6: 2018 1970 WI ОН MD NJ mean change since 1970 МО UT CO NE IN KY WV DE CA ΑZ OK KS AR MS SC NC 5.00 = 2.55 = -9.70 = -1970 5.00 = 9.50 = 19.50 = 2018 1970 1970 2018 1970 2018 1970 2018 TX NM GΑ 1970 2018 2018

2018

1970

1970

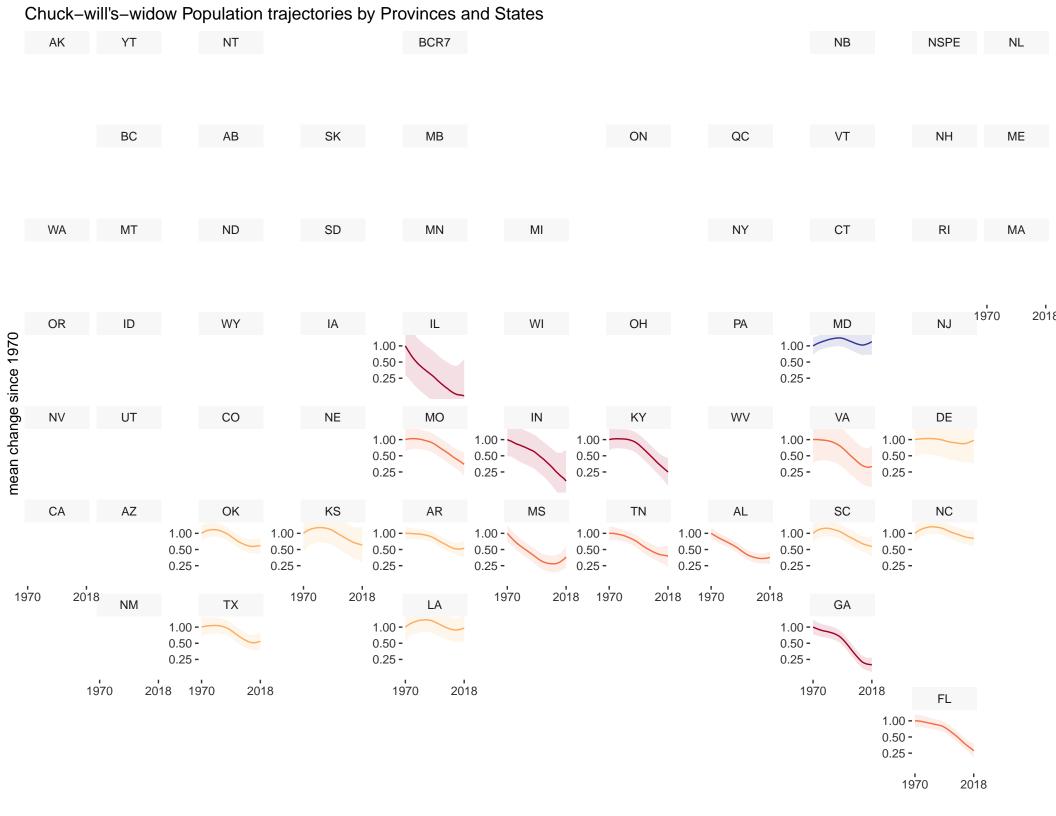
FL

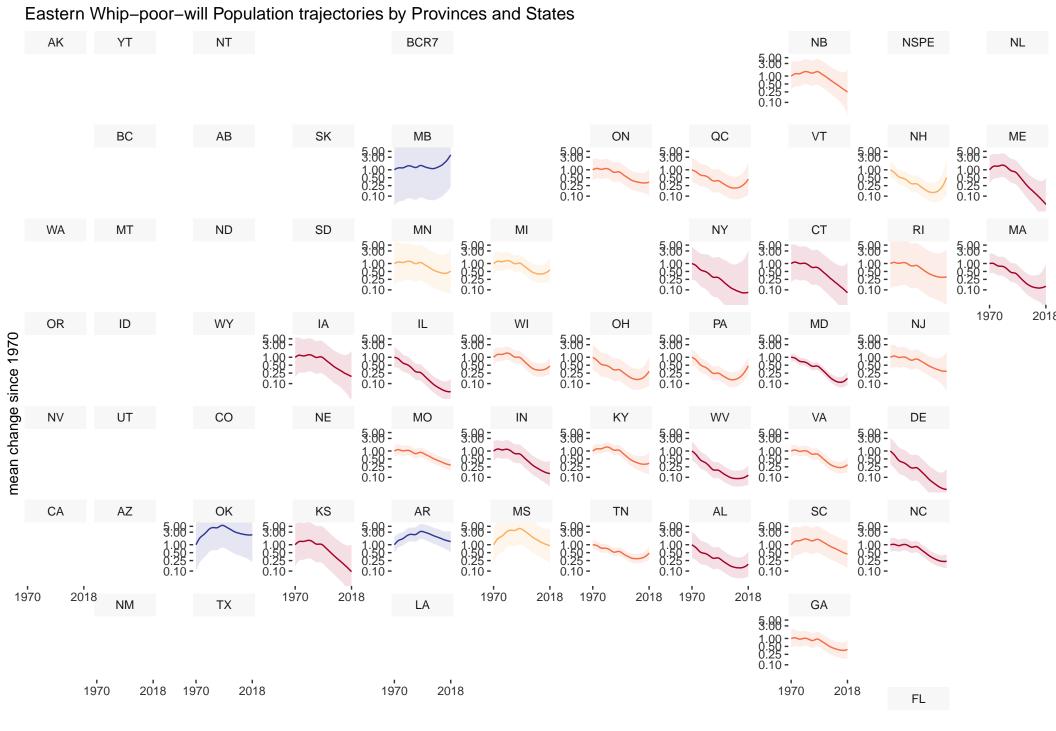
Violet-green Swallow Population trajectories by Provinces and States NT BCR7 AK ΥT **NSPE** NL NB 3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**1.00 0.50 -0.25 -ВС AΒ SK MB ON QC VTNH ME 3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**1.00 -0.50 **-** 0.25 **-**ND WA MT MI RΙ SD MN NY CT MA 3.00 -3.00 -3.00 -1.00 **-** 0.50 **-** 0.25 **-**1.00 -1.00 0.50 **-** 0.25 **-**0.50 **-** 0.25 **-**1970 2018 OR ID WY IΑ MD ОН mean change since 1970 and 197 3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**1.00 **-**0.50 **-**0.25 **-**NVUT CO NE MO DE IN KY WV VA 3.00 -3.00 -1.00 1.00 0.50 **-** 0.25 **-**0.50 -0.25 -CA ΑZ OK KS AR MS SC NC TN 3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**1.00 **-** 0.50 **-**0.25 -2018 2018 20**19**70 20**19**70 2018 1970 1970 1970 LA GΑ NM TX 3.00 -3.00 -1.00 -0.50 -0.25 -1.00 -0.50 -0.25 -1970 2018 1970 2018 1970 2018 2018 1970 FL

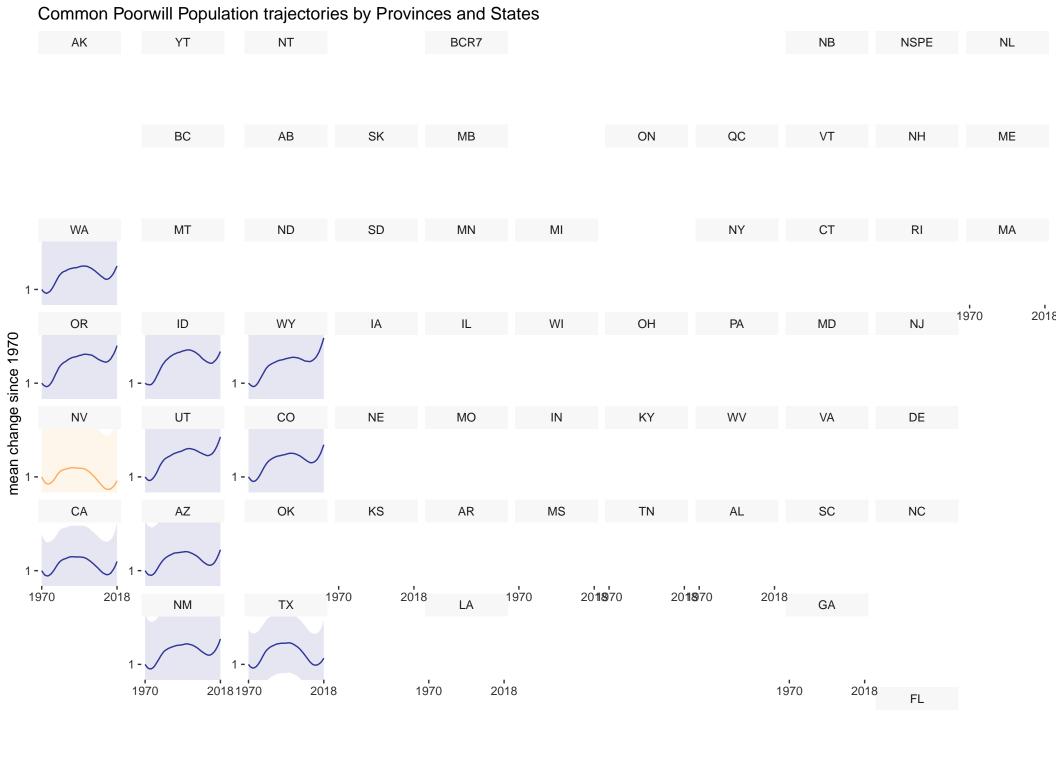
Chimney Swift Population trajectories by Provinces and States NT BCR7 ΑK ΥT **NSPE** NL NB 3.00 -3.00 -1.00 -0.50 -0.25 -0.10 -0.10 -ВС AΒ SK MB ON VT ME QC NH 3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 **-**0.50 **-**0.25 **-**0.10 **-**0.10 -MT MN NY CT RΙ WA ND SD MI MA 3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 -0.50 -0.25 -0.10 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 **-**0.50 **-**0.25 **-**1.00 **-**0.50 **-**0.25 **-**1.00 **-**0.50 **-**0.25 **-**0.10 -0.10 -0.10 -0.10 -0.10 -2018 1970 WY WI PA MD NJ OR IΑ OH mean change since 1970 3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -1.00 - 0.50 - 0.25 - 0.10 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 -0.50 -0.25 -0.10 -UT CO DE NV NE MO IN KY WV VA 3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 - 0.50 - 0.25 - 0.10 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 -0.50 -0.25 -0.10 -1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 **-**0.50 **-**0.25 **-**0.10 **-**1.00 **-**0.50 **-**0.25 **-**0.10 -0.10 -CA ΑZ OK KS AR MS TN ΑL SC NC 3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -3.00 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -1.00 -0.50 -0.25 -0.10 -0.10 -0.10 -0.10 -0.10 -1970 2018 1970 2018 2018 1970 2018 1970 2018 1970 NM TX LA GΑ 3.00 -3.00 -3.00 -1.00 **-**0.50 **-**0.25 **-**1.00 -0.50 -0.25 -1.00 **-**0.50 **-**0.25 **-**0.10 -0.10 -0.10 -1970 1970 2018 1970 2018 1970 2018 2018 FL 3.00 -

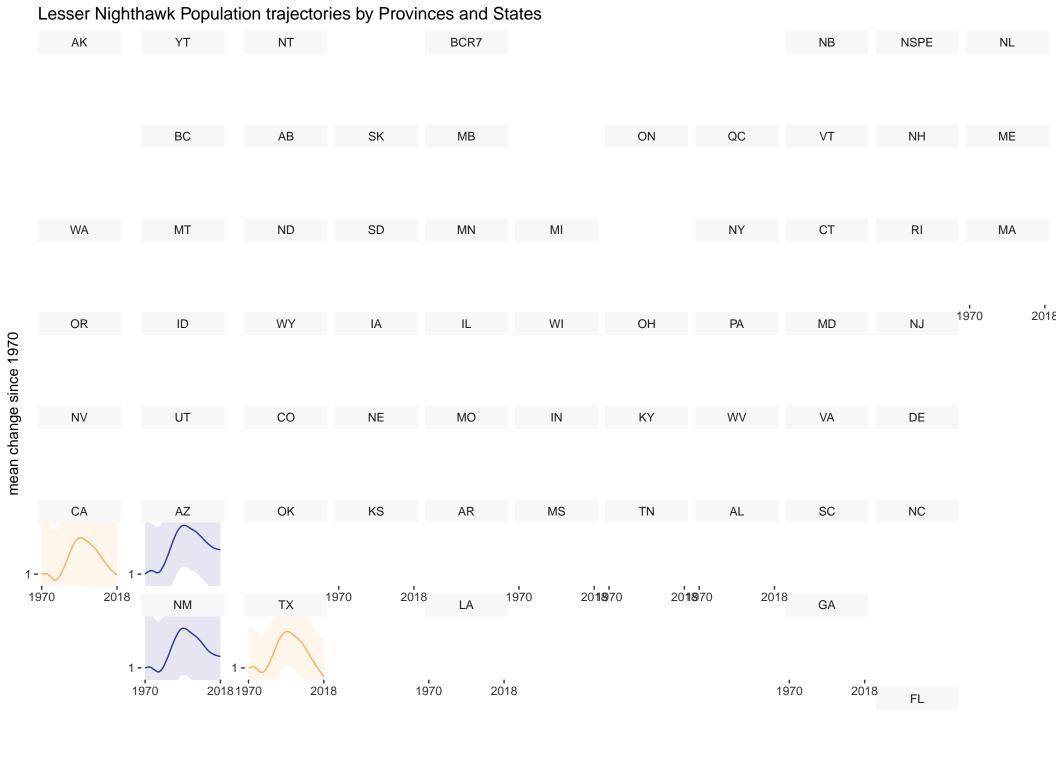
0.10 -

1970









White-throated Swift Population trajectories by Provinces and States ΑK ΥT NT BCR7 **NSPE** NL NB ВС AΒ SK MB ON QC VTNH ME 5.00 **-** 3.00 **-**1.00 -0.50 -0.25 -WA ND SD MI RΙ MT MNNY СТ MA 5.00 **-**3.00 **-**5.00 **-**3.00 **-**5.00 **-**3.00 **-**1.00 **-**0.50 **-**0.25 **-**1.00 **-**0.50 **-**1.00 -0.50 -0.25 -0.25 -1970 2018 OR ID WY IΑ MD ОН mean change since 1970 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 - 0.50 5.00 **-** 3.00 **-**5.00 **-** 3.00 **-**1.00 -1.00 -0.50 -0.50 -0.25 -0.25 -NVUT CO DE MO IN KY WV ΝE VA 5.00 **-**3.00 **-**5.00 **-**3.00 **-**1.00 -1.00 0.50 -0.50 -0.25 -0.25 -CA ΑZ OK KS MS SC NC AR TN 5.00 **-**3.00 **-**5.00 **-**3.00 **-**1.00 -0.50 -0.25 -1970 1.00 -0.50 -0.50 -0.25 -2018 1970 2018 20**19**70 20**19**70 1970 2018 LA NM TX GΑ 5.00 **-**3.00 **-**5.00 **-**3.00 **-**1.00 -0.50 -0.25 -1970 1.00 -0.50 -0.25 **- .** 2018 1970 2018 2018 1970 1970 2018 FL

