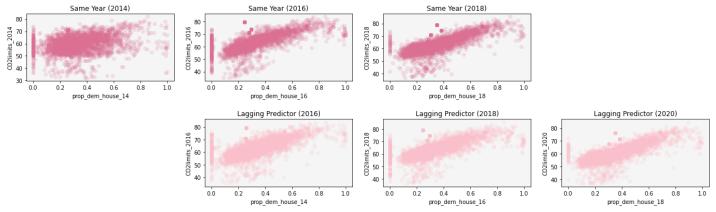
```
In [2]:
          import pandas as pd
          import numpy as np
          import seaborn as sns
          import datetime
          import matplotlib.pyplot as plt
          import re
          pd.set_option("display.max_columns", None)
In [3]:
          final_huge = pd.read_csv("final_huge.csv")
          huge_2015 = pd.read_csv("huge_2015.csv")
          huge_2017 = pd.read_csv("huge_2017.csv")
          huge_2019 = pd.read_csv("huge_2019.csv")
In [6]:
          scatterplots_house1 = [
                              "prop_dem_house_14": 'CO2limits_2014',
                            "prop_dem_house_16", 'CO2limits_2016',
                           "prop_dem_house_18", 'CO2limits_2018',
"prop_dem_house_14", 'CO2limits_2016',
"prop_dem_house_16", 'CO2limits_2018',
                            "prop_dem_house_18", 'CO2limits_2020'
          scatterplots_house2 = [
                              "prop_dem_house_14": 'worried_2014',
                            "prop_dem_house_16", 'worried_2016',
"prop_dem_house_18", 'worried_2018',
                            "prop_dem_house_14", 'worried_2016',
                            "prop_dem_house_16", 'worried_2018',
                            "prop_dem_house_18", 'worried_2020'
          scatterplots_house3 = [
                              "prop_dem_house_14": 'harmUS_2014',
                            "prop_dem_house_16", 'harmUS_2016',
                            "prop_dem_house_18", 'harmUS_2018',
                            "prop_dem_house_14", 'harmUS_2016', 
"prop_dem_house_16", 'harmUS_2018',
                            "prop_dem_house_18", 'harmUS_2020'
          def plot_house_support(x_col, y_col, x_label, y_label, plot_num, plot_year, ax1):
              ax = plt.subplot(2, 4, plot_num)#, sharey=ax1)
              if plot_num < 4:</pre>
                   ax.scatter(final_huge[x_col], final_huge[y_col], c='palevioletred', alpha=0.15)
                   plt.title(f"Same Year ({plot_year})")
              else:
                   ax.scatter(final_huge[x_col], final_huge[y_col], c='pink', alpha=0.15)
                   plt.title(f"Lagging Predictor ({plot_year})")
              ax.set_facecolor("whitesmoke")
              plt.xlabel(x_label)
              plt.ylabel(y_label)
          def plot_all_house_support(plot_title, y_col, scatterplots):
              fig = plt.figure(figsize=(18, 6))
              ax1 = plt.subplot(2, 4, 1)
              ax1.scatter(final_huge["prop_dem_house_14"], final_huge[y_col], c='palevioletred', alk
              ax1.set_facecolor("whitesmoke")
              plt.title('Same Year (2014)')
              plt.xlabel('prop_dem_house_14')
              plt.ylabel(y_col)
```

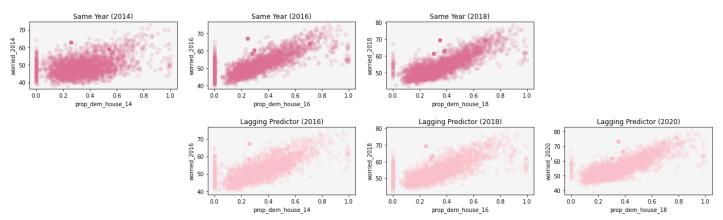
```
plot_num = 2
plot_year = 2016
for i in range(0, 10, 2):
    plot_house_support(scatterplots[i], scatterplots[i + 1], scatterplots[i], scatter;
    plot_num += 1
    plot_year += 2
    if plot_num == 4:
        plot_year = 2016
plt.suptitle(f"Support For A House Democratic Candidate vs. {plot_title}", fontsize = plt.tight_layout(pad = 2)

plot_all_house_support("Support For CO2 Limits On Power Plants", "CO2limits_2014", scatterplot_all_house_support("Percent Worried About Climate Change", "worried_2014", scatterplot_plot_all_house_support("Percent That Think Climate Change Will Harm People In The US", "had the content of the
```

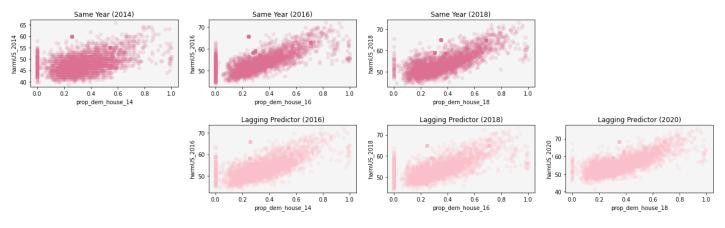
Support For A House Democratic Candidate vs. Support For CO2 Limits On Power Plants



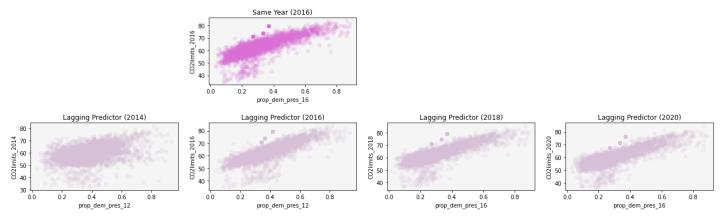
Support For A House Democratic Candidate vs. Percent Worried About Climate Change



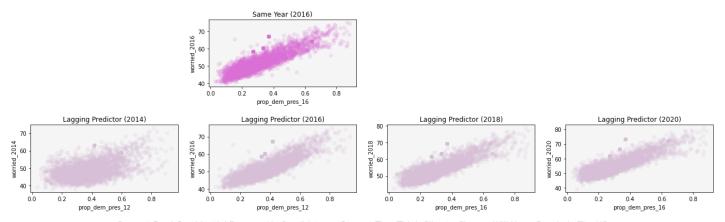
Support For A House Democratic Candidate vs. Percent That Think Climate Change Will Harm People In The US



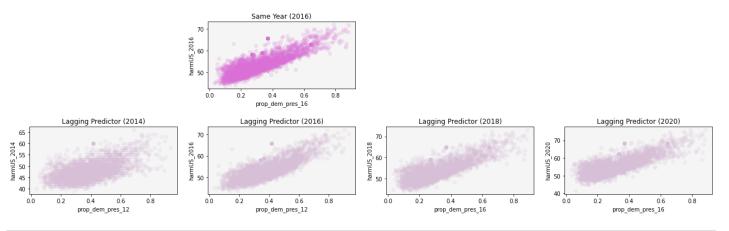
```
"prop_dem_pres_12", 'CO2limits_2016', "prop_dem_pres_16", 'CO2limits_2018',
                  "prop_dem_pres_16", 'CO2limits_2020'
scatterplots_pres2 = [
                    "prop_dem_pres_16", 'worried_2016',
                  "prop_dem_pres_12", 'worried_2014',
                 "prop_dem_pres_12", 'worried_2016',
"prop_dem_pres_16", 'worried_2018',
                  "prop_dem_pres_16", 'worried_2020'
scatterplots_pres3 = [
                    "prop_dem_pres_16", 'harmUS_2016',
                 "prop_dem_pres_12", 'harmUS_2014',
"prop_dem_pres_12", 'harmUS_2016',
"prop_dem_pres_16", 'harmUS_2018',
                 "prop_dem_pres_16", 'harmUS_2020'
                  1
def plot_pres_support(x_col, y_col, x_label, y_label, plot_num, plot_year, ax1):
    ax = plt.subplot(2, 4, plot_num)#, sharey=ax1)
    if plot_num < 4:</pre>
         ax.scatter(final_huge[x_col], final_huge[y_col], c='orchid', alpha=0.15)
        plt.title(f"Same Year ({plot_year})")
    else:
         ax.scatter(final_huge[x_col], final_huge[y_col], c='thistle', alpha=0.15)
         plt.title(f"Lagging Predictor ({plot_year})")
    ax.set_facecolor("whitesmoke")
    plt.xlabel(x_label)
    plt.ylabel(y_label)
def plot_all_pres_support(plot_title, y_col, scatterplots):
    fig = plt.figure(figsize=(18, 6))
    ax1 = plt.subplot(2, 4, 2)
    ax1.scatter(final_huge["prop_dem_pres_16"], final_huge[y_col], c='orchid', alpha=0.15]
    ax1.set_facecolor("whitesmoke")
    plt.title('Same Year (2016)')
    plt.xlabel('prop_dem_pres_16')
    plt.ylabel(y_col)
    plot_num = 5
    plot_year = 2014
    for i in range(0, 8, 2):
         plot_pres_support(scatterplots[i], scatterplots[i + 1], scatterplots[i], scatterpl
         plot_num += 1
        plot_year += 2
    plt.suptitle(f"Support For A Presidential Democratic Candidate vs. {plot_title}", font
    plt.tight_layout(pad = 2)
plot_all_pres_support("Support For CO2 Limits On Power Plants", "CO2limits_2016", scatter
plot_all_pres_support("Percent Worried About Climate Change", "worried_2016", scatterplots
plot_all_pres_support("Percent That Think Climate Change Will Harm People In The US", "har
```



Support For A Presidential Democratic Candidate vs. Percent Worried About Climate Change



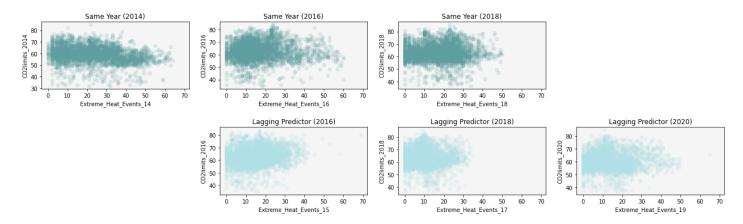
Support For A Presidential Democratic Candidate vs. Percent That Think Climate Change Will Harm People In The US

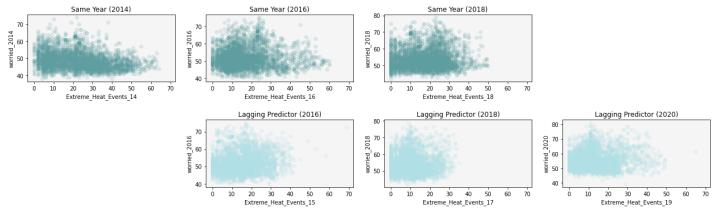


```
In [8]:
         scatterplots_heat1 = {
                          "Extreme_Heat_Events_16": 'CO2limits_2016',
                          "Extreme_Heat_Events_18": 'CO2limits_2018'
                         "Extreme_Heat_Events_15": 'CO2limits_2016',
                          "Extreme_Heat_Events_17": 'CO2limits_2018',
                          "Extreme_Heat_Events_19": 'CO2limits_2020'
         scatterplots_heat2 = {
                         "Extreme_Heat_Events_16": 'worried_2016',
                          "Extreme_Heat_Events_18": 'worried_2018',
                         "Extreme_Heat_Events_15": 'worried_2016',
                          "Extreme_Heat_Events_17": 'worried_2018',
                          "Extreme_Heat_Events_19": 'worried_2020',
                        }
         scatterplots_heat3 = {
                          "Extreme_Heat_Events_16": 'harmUS_2016',
                          "Extreme_Heat_Events_18": 'harmUS_2018',
                          "Extreme_Heat_Events_15": 'harmUS_2016',
```

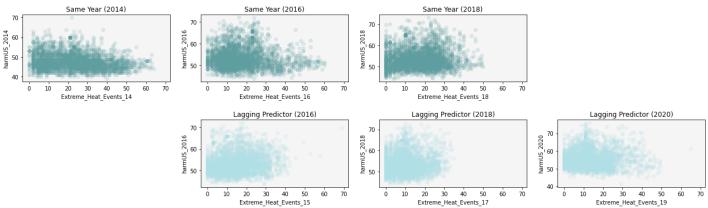
```
"Extreme_Heat_Events_17": 'harmUS_2018'
                "Extreme_Heat_Events_19": 'harmUS_2020',
def plot_heat_event(x_col, y_col, x_label, y_label, plot_num, ax1, plot_year):
    ax = plt.subplot(2, 4, plot_num, sharex=ax1)
    if plot_num < 4:</pre>
        ax.scatter(final_huge[x_col], final_huge[y_col], c='cadetblue', alpha=0.15)
        plt.title(f"Same Year ({plot_year})")
    else:
        ax.scatter(final_huge[x_col], final_huge[y_col], c='powderblue', alpha=0.15)
        plt.title(f"Lagging Predictor ({plot_year})")
    ax.set_facecolor("whitesmoke")
    plt.xlabel(x_label)
    plt.ylabel(y_label)
def plot_all_heat_events(plot_title, y_col, scatterplots):
    fig = plt.figure(figsize=(18, 6))
    ax1 = plt.subplot(2, 4, 1)
    ax1.scatter(final_huge["Extreme_Heat_Events_14"], final_huge[y_col], c='cadetblue', a]
    ax1.set_facecolor("whitesmoke")
    plt.title('Same Year (2014)')
    plt.xlabel('Extreme_Heat_Events_14')
    plt.ylabel(y_col)
    plot_num = 2
    plot_year = 2016
    for x_col in scatterplots:
        plot_heat_event(x_col, scatterplots[x_col], x_col, scatterplots[x_col], plot_num,
        plot_num += 1
        plot_year += 2
        if plot_num == 4:
            plot_num += 2
            plot_year = 2016
    plt.suptitle(f"Number of Extreme Heat Events vs. {plot_title}", fontsize = 15);
    plt.tight_layout(pad = 2)
plot_all_heat_events("Support For CO2 Limits On Power Plants", 'CO2limits_2014', scatterpl
plot_all_heat_events("Percent Worried About Climate Change", 'worried_2014', scatterplots
plot_all_heat_events("Percent That Think Climate Change Will Harm People In The US", 'harn
```

Number of Extreme Heat Events vs. Support For CO2 Limits On Power Plants



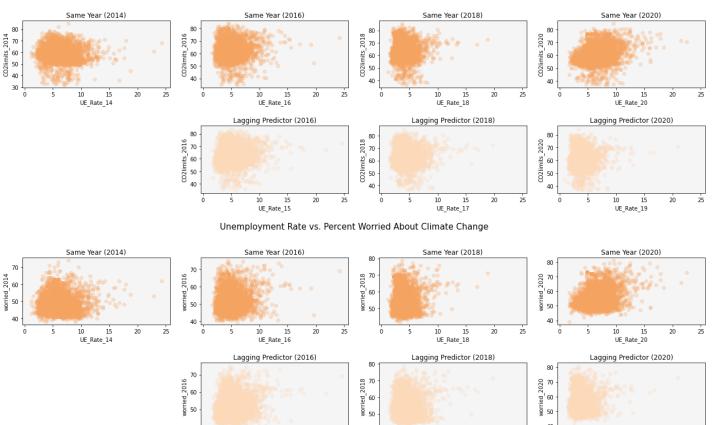


Number of Extreme Heat Events vs. Percent That Think Climate Change Will Harm People In The US



```
In [9]:
         scatterplots_UE1 = [
                          "UE_Rate_16",
                                         'CO2limits_2016',
                          "UE_Rate_18",
                                         'CO2limits_2018'
                          "UE_Rate_20",
                                         'CO2limits_2020',
                          "UE_Rate_15",
                                         'CO2limits_2016'
                          "UE_Rate_17", 'CO2limits_2018'
                          "UE_Rate_19", 'CO2limits_2020'
                          ]
         scatterplots_UE2 = [
                          "UE_Rate_16",
                                         'worried_2016',
                          "UE_Rate_18",
                                         'worried_2018'
                          "UE_Rate_20",
                                         'worried_2020'
                          "UE_Rate_15",
                                         'worried_2016',
                          "UE_Rate_17",
                                         'worried_2018',
                          "UE_Rate_19", 'worried_2020'
                          ]
         scatterplots_UE3 = [
                          "UE_Rate_16",
                                         'harmUS_2016',
                          "UE_Rate_18",
                                         'harmUS_2018'
                          "UE_Rate_20",
                                         'harmUS_2020',
                          "UE_Rate_15",
                                         'harmUS_2016',
                          "UE_Rate_17", 'harmUS_2018'
                          "UE_Rate_19", 'harmUS_2020'
                          ]
         def plot_UE(x_col, y_col, x_label, y_label, plot_num, ax1, plot_year):
             ax = plt.subplot(2, 4, plot_num, sharex=ax1)
             if plot_num <= 4:</pre>
                 ax.scatter(final_huge[x_col], final_huge[y_col], c='sandybrown', alpha=0.25)
                  plt.title(f"Same Year ({plot_year})")
             else:
```

```
ax.scatter(final_huge[x_col], final_huge[y_col], c='peachpuff', alpha=0.25)
        plt.title(f"Lagging Predictor ({plot_year})")
    ax.set_facecolor("whitesmoke")
    plt.xlabel(x_label)
    plt.ylabel(y_label)
def plot_all_UE(plot_title, y_col, scatterplots):
    fig = plt.figure(figsize=(18, 6))
    ax1 = plt.subplot(2, 4, 1)
    ax1.scatter(final_huge["UE_Rate_14"], final_huge[y_col], c='sandybrown', alpha=0.25)
    ax1.set_facecolor("whitesmoke")
    plt.title('Same Year (2014)')
    plt.xlabel('UE_Rate_14')
    plt.ylabel(y_col)
    plot_num = 2
    plot_year = 2016
    for i in range(0, 12, 2):
        plot_UE(scatterplots[i], scatterplots[i + 1], scatterplots[i], scatterplots[i + 1]
        plot_num += 1
        plot_year += 2
        if plot_num == 5:
            plot_num += 1
            plot_year = 2016
    plt.suptitle(f"Unemployment Rate vs. {plot_title}", fontsize = 15);
    plt.tight_layout(pad = 2)
plot_all_UE("Support For CO2 Limits On Power Plants", 'CO2limits_2014', scatterplots_UE1)
plot_all_UE("Percent Worried About Climate Change", 'worried_2014', scatterplots_UE2)
plot_all_UE("Percent That Think Climate Change Will Harm People In The US", 'harmUS_2014'
                           Unemployment Rate vs. Support For CO2 Limits On Power Plants
```



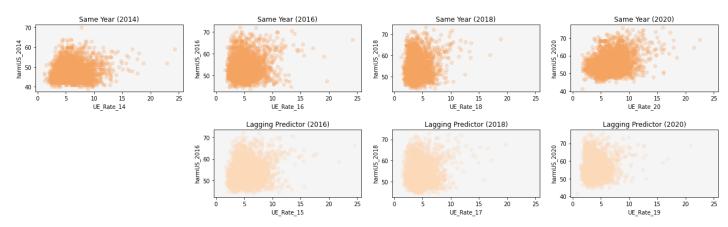
20

20

UE_Rate_17

25

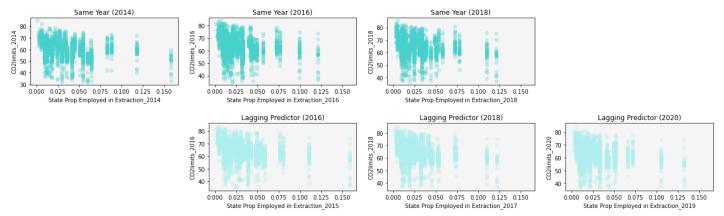
UE_Rate_19



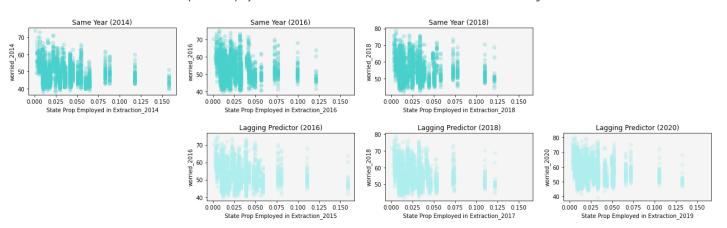
```
In [10]:
          scatterplots_extraction1 = [
                           "State Prop Employed in Extraction_2016", 'CO2limits_2016',
                           "State Prop Employed in Extraction_2018", 'CO2limits_2018',
                           "State Prop Employed in Extraction_2015", 'C02limits_2016', "State Prop Employed in Extraction_2017", 'C02limits_2018',
                           "State Prop Employed in Extraction_2019", 'CO2limits_2020'
          scatterplots_extraction2 = [
                           "State Prop Employed in Extraction_2016", 'worried_2016',
                           "State Prop Employed in Extraction_2018", 'worried_2018',
                           "State Prop Employed in Extraction_2015", 'worried_2016'
                           "State Prop Employed in Extraction_2017", 'worried_2018',
                           "State Prop Employed in Extraction_2019", 'worried_2020'
                           ]
          scatterplots_extraction3 = [
                           "State Prop Employed in Extraction_2016", 'harmUS_2016',
                           "State Prop Employed in Extraction_2018", 'harmUS_2018'
                           "State Prop Employed in Extraction_2015", 'harmUS_2016',
                           "State Prop Employed in Extraction_2017", 'harmUS_2018',
                           "State Prop Employed in Extraction_2019", 'harmUS_2020'
                           ]
          def plot_extraction_num_pp(x_col, y_col, x_label, y_label, plot_num, ax1, plot_year, first
              ax = plt.subplot(2, 4, plot_num, sharex=ax1)
              if plot_num < 4:</pre>
                   if first_x == "State Prop Employed in Extraction_2014":
                       ax.scatter(final_huge[x_col], final_huge[y_col], c='mediumturquoise', alpha=0
                   else:
                       ax.scatter(final_huge[x_col], final_huge[y_col], c='olive', alpha=0.25)
                   plt.title(f"Same Year ({plot_year})")
              else:
                   if first_x == "State Prop Employed in Extraction_2014":
                       ax.scatter(final_huge[x_col], final_huge[y_col], c='paleturquoise', alpha=0.25
                   else:
                       ax.scatter(final_huge[x_col], final_huge[y_col], c='darkkhaki', alpha=0.25)
                   plt.title(f"Lagging Predictor ({plot_year})")
              ax.set_facecolor("whitesmoke")
              plt.xlabel(x_label)
              plt.ylabel(y_label)
          def plot_all_extraction_num_pp(plot_title, first_x, first_y, scatterplots):
              fig = plt.figure(figsize=(18, 6))
              ax1 = plt.subplot(2, 4, 1)
              if first_x == "State Prop Employed in Extraction_2014":
                   ax1.scatter(final_huge[first_x], final_huge[first_y], c='mediumturquoise', alpha=@
              else:
```

```
ax1.scatter(final_huge[first_x], final_huge[first_y], c='olive', alpha=0.25)
    ax1.set_facecolor("whitesmoke")
    plt.title('Same Year (2014)')
    plt.xlabel(first_x)
    plt.ylabel(first_y)
    plot_num = 2
    plot_year = 2016
    for i in range(0, 10, 2):
        plot_extraction_num_pp(scatterplots[i], scatterplots[i + 1], scatterplots[i], scat
        plot_num += 1
        plot_year += 2
        if plot_num == 4:
            plot_num += 2
            plot_year = 2016
    plt.suptitle(plot_title, fontsize = 15);
    plt.tight_layout(pad = 2)
plot_all_extraction_num_pp("Proportion Employed In Extraction Industries vs. Support For (
plot_all_extraction_num_pp("Proportion Employed In Extraction Industries vs. Percent Worri
plot_all_extraction_num_pp("Proportion Employed In Extraction Industries vs. Percent That
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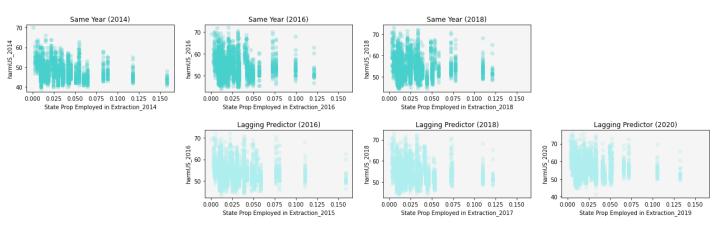
Proportion Employed In Extraction Industries vs. Support For CO2 Limits On Power Plants



Proportion Employed In Extraction Industries vs. Percent Worried About Climate Change



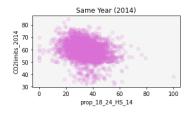
Proportion Employed In Extraction Industries vs. Percent That Think Climate Change Will Harm People In The US

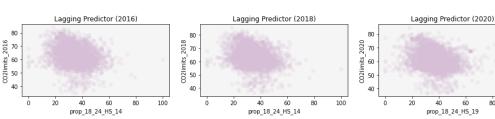


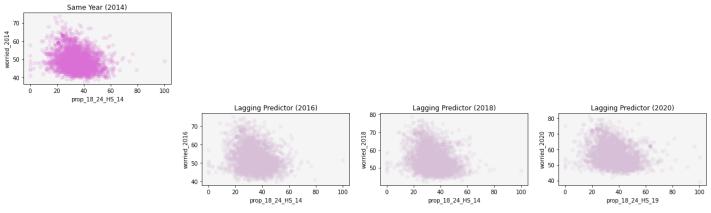
```
In [28]:
            scatterplots_edu1 = [
                                "prop_18_24_HS_14", 'C02limits_2016', 
"prop_18_24_HS_14", 'C02limits_2018', 
"prop_18_24_HS_19", 'C02limits_2020'
            scatterplots_edu2 = [
                                "prop_18_24_HS_14", 'worried_2016',
                                "prop_18_24_HS_14", 'worried_2018',
                                "prop_18_24_HS_19", 'worried_2020'
            scatterplots_edu3 = [
                                "prop_18_24_HS_14", 'harmUS_2016', 
"prop_18_24_HS_14", 'harmUS_2018',
                                "prop_18_24_HS_19", 'harmUS_2020'
            scatterplots_edu4 = [
                                "prop_18_24_BS_14", 'C02limits_2016', 
"prop_18_24_BS_14", 'C02limits_2018', 
"prop_18_24_BS_19", 'C02limits_2020'
            scatterplots_edu5 = [
                                "prop_18_24_BS_14", 'worried_2016',
                                "prop_18_24_BS_14", 'worried_2018',
                                "prop_18_24_BS_19", 'worried_2020'
            scatterplots_edu6 = [
                               "prop_18_24_BS_14", 'harmUS_2016', 
"prop_18_24_BS_14", 'harmUS_2018',
                                "prop_18_24_BS_19", 'harmUS_2020'
            scatterplots_edu7 = [
                                "prop_25_HS_14", 'CO2limits_2016',
                                "prop_25_HS_14", 'CO2limits_2018', 'prop_25_HS_19", 'CO2limits_2020'
            scatterplots_edu8 = [
                                "prop_25_HS_14", 'worried_2016',
                                "prop_25_HS_14", 'worried_2018',
                                "prop_25_HS_19", 'worried_2020'
                                ]
            scatterplots_edu9 = [
                                "prop_25_HS_19", 'harmUS_2020'
            scatterplots_edu10 = [
                                "prop_25_BS_14", 'CO2limits_2016',
                                "prop_25_BS_14", 'CO2limits_2018'
                                "prop_25_BS_19", 'CO2limits_2020'
            scatterplots_edu11 = [
                                "prop_25_BS_14", 'worried_2016',
                                "prop_25_BS_14", 'worried_2018',
                                "prop_25_BS_19", 'worried_2020'
```

```
scatterplots_edu12 = [
                "prop_25_BS_14", 'harmUS_2016', 
"prop_25_BS_14", 'harmUS_2018',
                "prop_25_BS_19", 'harmUS_2020'
def plot_edu_support(x_col, y_col, x_label, y_label, plot_num, plot_year, ax1):
    ax = plt.subplot(2, 4, plot_num, sharex=ax1)
    if plot_num < 4:</pre>
        ax.scatter(final_huge[x_col], final_huge[y_col], c='orchid', alpha=0.15)
        plt.title(f"Same Year ({plot_year})")
    else:
        ax.scatter(final_huge[x_col], final_huge[y_col], c='thistle', alpha=0.15)
        plt.title(f"Lagging Predictor ({plot_year})")
    ax.set_facecolor("whitesmoke")
    plt.xlabel(x_label)
    plt.ylabel(y_label)
def plot_all_edu_support(plot_title, x_col, y_col, scatterplots):
    plt.figure(figsize=(18, 6))
    ax1 = plt.subplot(2, 4, 1)
    ax1.scatter(final_huge[x_col], final_huge[y_col], c='orchid', alpha=0.15)
    ax1.set_facecolor("whitesmoke")
    plt.title('Same Year (2014)')
    plt.xlabel(x_col)
    plt.ylabel(y_col)
    plot_num = 6
    plot_year = 2016
    for i in range(0, 6, 2):
        plot_edu_support(scatterplots[i], scatterplots[i + 1], scatterplots[i], scatterplot
        plot_num += 1
        plot_year += 2
    plt.suptitle(plot_title, fontsize = 15);
    plt.tight_layout(pad = 2)
plot_all_edu_support("Proportion of 18-24 Year Olds with Only High School Diploma vs. Sup
plot_all_edu_support("Proportion of 18-24 Year Olds with Only High School Diploma vs. Per
plot_all_edu_support("Proportion of 18-24 Year Olds with Only High School Diploma vs. Perd
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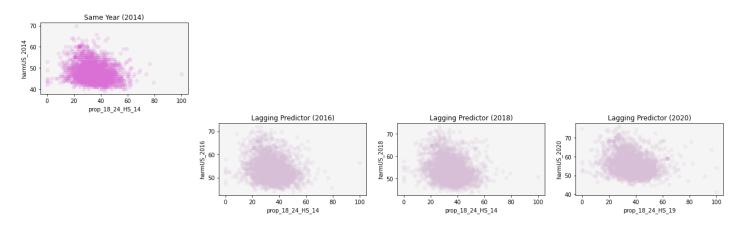
Proportion of 18-24 Year Olds with Only High School Diploma vs. Support For CO2 Limits On Power Plants





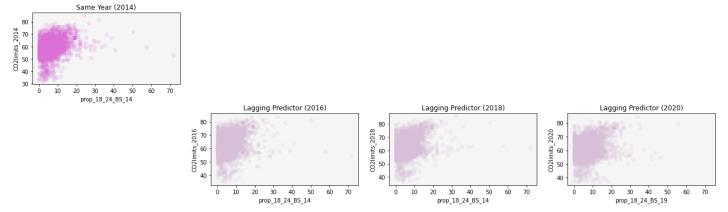


Proportion of 18-24 Year Olds with Only High School Diploma vs. Percent That Think Climate Change Will Harm People In The US

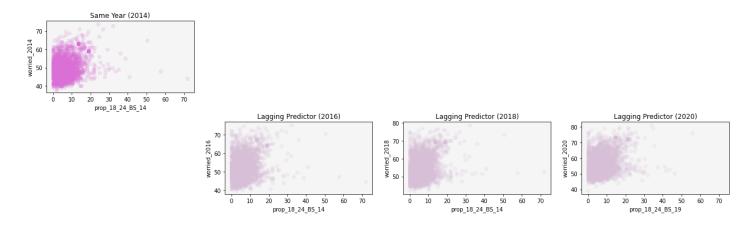


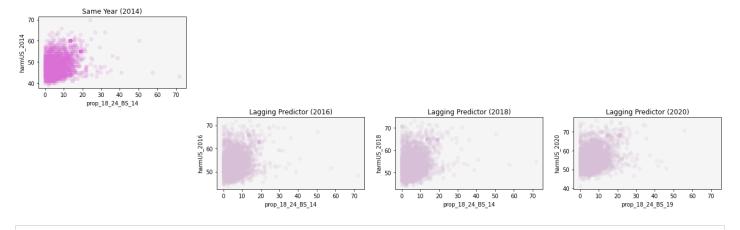
plot_all_edu_support("Proportion of 18-24 Year Olds with Bachelor's Degree or Higher vs. 5 plot_all_edu_support("Proportion of 18-24 Year Olds with Bachelor's Degree or Higher vs. F plot_all_edu_support("Proportion of 18-24 Year Olds with Bachelor's Degree or Higher vs. F

Proportion of 18-24 Year Olds with Bachelor's Degree or Higher vs. Support For CO2 Limits On Power Plants



Proportion of 18-24 Year Olds with Bachelor's Degree or Higher vs. Percent Worried About Climate Change

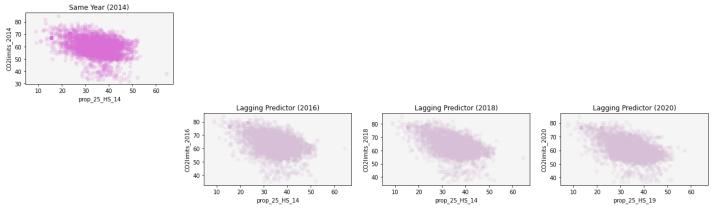




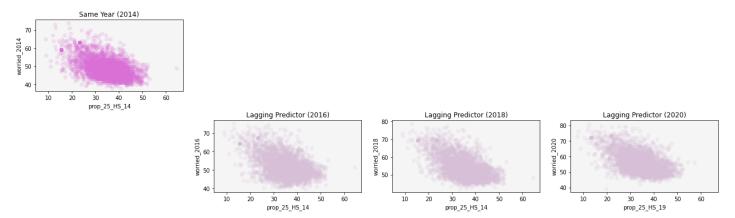
In [30]:

plot_all_edu_support("Proportion of 25 Year Olds and Older with Only High School Diploma v plot_all_edu_support("Proportion of 25 Year Olds and Older with Only High School Diploma v plot_all_edu_support("Proportion of 25 Year Olds and Older with Only High School Diploma v

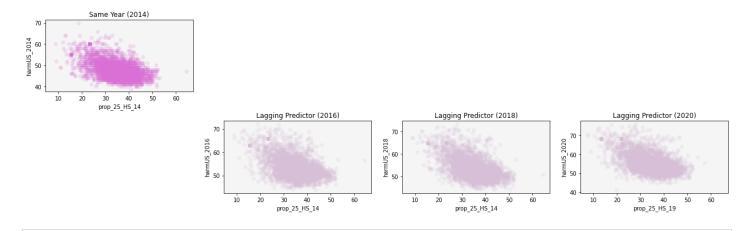
Proportion of 25 Year Olds and Older with Only High School Diploma vs. Support For CO2 Limits On Power Plants



Proportion of 25 Year Olds and Older with Only High School Diploma vs. Percent Worried About Climate Change

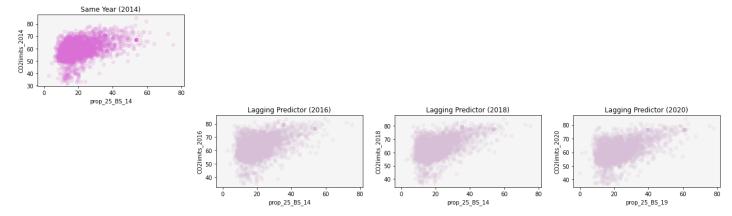


Proportion of 25 Year Olds and Older with Only High School Diploma vs. Percent That Think Climate Change Will Harm People In The US

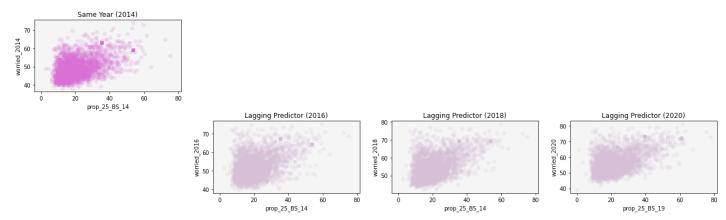


In [31]: plot_all_edu_support("Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher plot_all_edu_support("Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher plot_all_edu_support("Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree or Higher Proportion of 25 Year Olds and Older With Bachelor's Degree Older With Bachelor's D

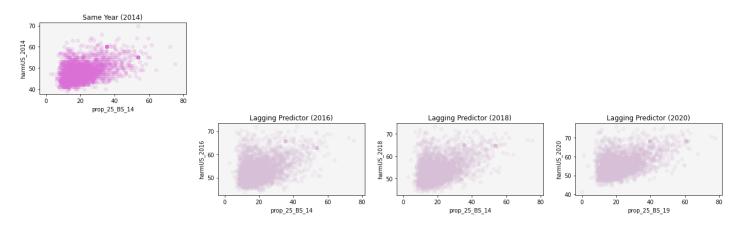
Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher vs. Support For CO2 Limits On Power Plants



Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher vs. Percent Worried About Climate Change

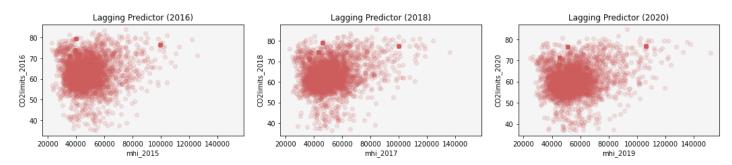


Proportion of 25 Year Olds and Older with Bachelor's Degree or Higher vs. Percent That Think Climate Change Will Harm People In The US

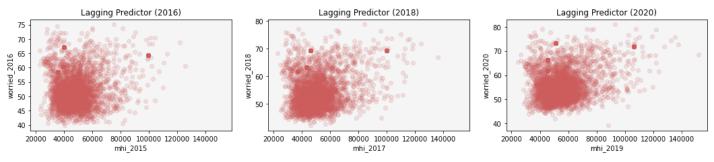


```
def plot_mhi_pop_pov(x_col, y_col, x_label, y_label, plot_num, plot_year, ax1, color):
    ax = plt.subplot(1, 3, plot_num, sharex=ax1)
    ax.scatter(final_huge[x_col], final_huge[y_col], c=color, alpha=0.15)
    plt.title(f"Lagging Predictor ({plot_year})")
    ax.set_facecolor("whitesmoke")
    plt.xlabel(x_label)
    plt.ylabel(y_label)
def plot_all_mhi_pop_pov(plot_title, x_col, y_col, scatterplots, color):
    plt.figure(figsize=(15, 4))
    ax1 = plt.subplot(1, 3, 1)
    ax1.scatter(final_huge[x_col], final_huge[y_col], c=color, alpha=0.15)
    ax1.set_facecolor("whitesmoke")
    plt.title('Lagging Predictor (2016)')
    plt.xlabel(x_col)
    plt.ylabel(y_col)
    plot_num = 2
    plot_year = 2018
    for i in range(0, 4, 2):
        plot_mhi_pop_pov(scatterplots[i], scatterplots[i + 1], scatterplots[i], scatterplot
        plot_num += 1
        plot_year += 2
    plt.suptitle(plot_title, fontsize = 15);
    plt.tight_layout(pad = 2)
plot_all_mhi_pop_pov("Median Household Income in Dollars vs. Support For CO2 Limits On Pov
plot_all_mhi_pop_pov("Median Household Income in Dollars vs. Percent Worried About Climat€
plot_all_mhi_pop_pov("Median Household Income in Dollars vs. Percent That Think Climate Cl
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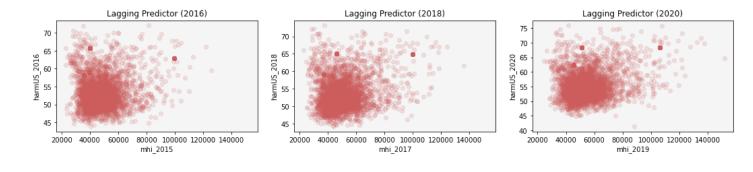
Median Household Income in Dollars vs. Support For CO2 Limits On Power Plants



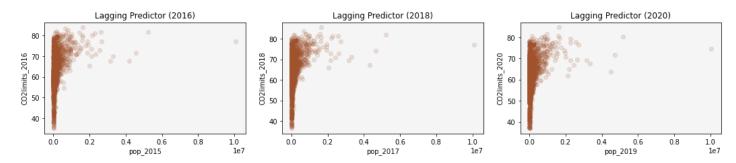
Median Household Income in Dollars vs. Percent Worried About Climate Change



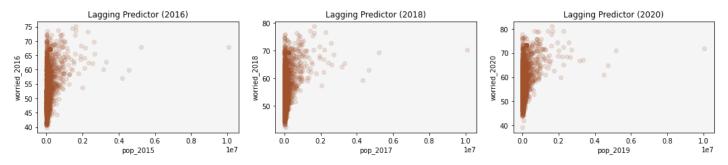
Median Household Income in Dollars vs. Percent That Think Climate Change Will Harm People In The US



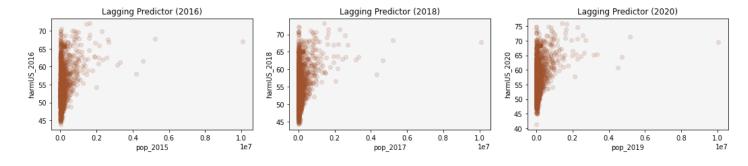
Population vs. Support For CO2 Limits On Power Plants



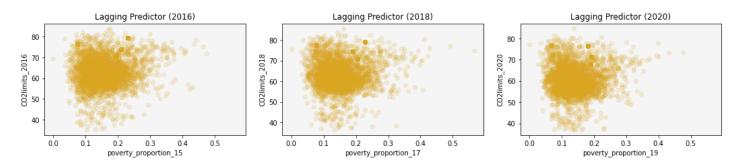
Population vs. Percent Worried About Climate Change



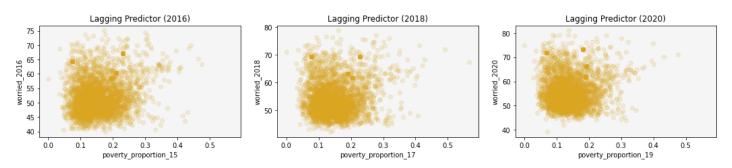
Population vs. Percent That Think Climate Change Will Harm People In The US



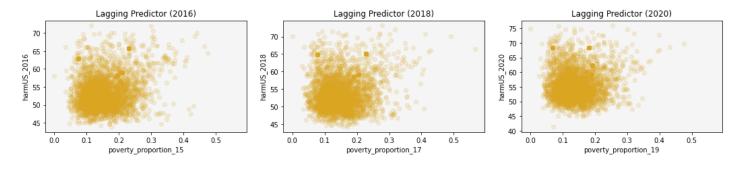
Proportion of Population Living Below the Poverty Line vs. Support For CO2 Limits On Power Plants



Proportion of Population Living Below the Poverty Line vs. Percent Worried About Climate Change



Proportion of Population Living Below the Poverty Line vs. Percent That Think Climate Change Will Harm People In The US



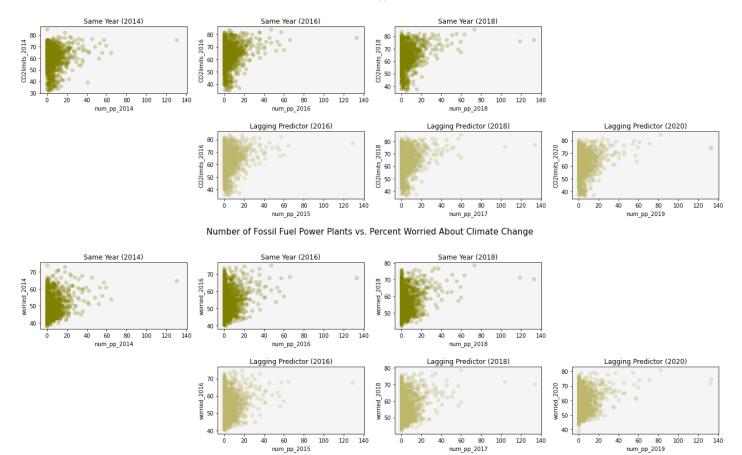
In [11]:

```
scatterplots_powerplants1 = [
                 "num_pp_2016",
                                 'C02limits_2016',
                 "num_pp_2018",
                                 'CO2limits_2018'
                 "num_pp_2015",
                                 'CO2limits_2016',
                 "num_pp_2017",
                                 'C02limits_2018',
                 "num_pp_2019",
                                 'CO2limits_2020'
                 ]
scatterplots_powerplants2 = [
                 "num_pp_2016"
                                 'worried_2016',
                 "num_pp_2018",
                                 'worried_2018'
                 "num_pp_2015",
                                 'worried_2016',
                 "num_pp_2017",
                                 'worried_2018'
                 "num_pp_2019",
                                 'worried_2020'
                 ]
scatterplots_powerplants3 = [
                 "num_pp_2016", 'harmUS_2016',
```

'harmUS_2018',

"num_pp_2018",

Number of Fossil Fuel Power Plants vs. Support For CO2 Limits On Power Plants



Number of Fossil Fuel Power Plants vs. Percent That Think Climate Change Will Harm People In The US

