

In [0]:

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import requests
from lxml import html
import pandas as pd
```

Data from the United States

COVID-19 Cases and Deaths

The *New York Times* gathers number of confirmed cases and deaths from the state governments on the daily basis, and releases them on their github. The dataset is available at [this link](https://raw.githubusercontent.com/nytimes/covid-19-data/master/us-states.csv).

In [2]:

```
us_cases = pd.read_csv("https://raw.githubusercontent.com/nytimes/covid-19-data/master/us-states.csv")
us_cases.head(5)
```

Out[2]:

	date	state	fips	cases	deaths
0	2020-01-21	Washington	53	1	0
1	2020-01-22	Washington	53	1	0
2	2020-01-23	Washington	53	1	0
3	2020-01-24	Illinois	17	1	0
4	2020-01-24	Washington	53	1	0

The `fips` and `deaths` variables in this dataset will not be used. Therefore, we are removing it.

In [3]:

```
us_cases = us_cases.drop(['fips'], axis=1)
us_cases.head(5)
```

Out[3]:

	date	state	cases	deaths
0	2020-01-21	Washington	1	0
1	2020-01-22	Washington	1	0
2	2020-01-23	Washington	1	0
3	2020-01-24	Illinois	1	0
4	2020-01-24	Washington	1	0

To measure the effectiveness of the disease control, we will look at the percentage increase in cases

- Between 15 MAR 2020 to 14 APR 2020, and
- Between 15 APR 2020 to 14 MAY 2020,

In [0]:

```
march_cases = us_cases[us_cases['date'] == '2020-03-15']
march_cases = march_cases.drop(['date'], axis=1)
april_cases = us_cases[us_cases['date'] == '2020-04-15']
april_cases = april_cases.drop(['date'], axis=1)
may_cases = us_cases[us_cases['date'] == '2020-05-15']
may_cases = may_cases.drop(['date'], axis=1)
```

In [5]:

```
temp_1 = pd.merge(march_cases, april_cases, on = "state", suffixes=["_MAR", "_APR"])
us_cases_aggregated = pd.merge(temp_1, may_cases, on = "state")
del temp_1, march_cases, april_cases, may_cases
us_cases_aggregated.columns = ['state', 'cases_MAR', 'deaths_MAR', 'cases_APR', 'deaths_APR',
                                'cases_MAY', 'deaths_MAY']
us_cases_aggregated.head(5)
```

Out[5]:

	state	cases_MAR	deaths_MAR	cases_APR	deaths_APR	cases_MAY	deaths_MAY
0	Alabama	23	0	4241	123	11373	483
1	Alaska	1	0	291	7	388	8
2	Arizona	13	0	3962	142	13169	651
3	Arkansas	16	0	1599	34	4463	98
4	California	478	6	27107	885	77015	3192

In [0]:

```
us_cases_aggregated["cases_MAR_to_APR"] = (us_cases_aggregated["cases_APR"] - us_cases_aggregated["cases_MAR"]) / us_cases_aggregated["cases_MAR"] * 100
us_cases_aggregated["cases_APR_to_MAY"] = (us_cases_aggregated["cases_MAY"] - us_cases_aggregated["cases_APR"]) / us_cases_aggregated["cases_APR"] * 100
```

In [7]:

```
us_cases_aggregated = us_cases_aggregated.drop(['cases_MAR', 'deaths_MAR', 'cases_APR', 'deaths_APR', 'deaths_MAY'], axis=1)
us_cases_aggregated.head(5)
```

Out[7]:

	state	cases_MAY	cases_MAR_to_APR	cases_APR_to_MAY
0	Alabama	11373	18339.130435	168.167885
1	Alaska	388	29000.000000	33.333333
2	Arizona	13169	30376.923077	232.382635
3	Arkansas	4463	9893.750000	179.111945
4	California	77015	5570.920502	184.114804

US Population Data

Another measurement we wish to use is the percentage of the population that was confirmed COVID-19. The population data is necessary here. United States Census Bureau conducts censuses for population data, and releases an estimate for the US population by state every year. The latest data is available at [this link](#).

```
In [0]:
```

```
us_pop = pd.read_csv('http://www2.census.gov/programs-surveys/popest/datasets/2010-2019/national/totals/nst-est2019-alldata.csv')
us_pop = us_pop[['NAME', 'POPESTIMATE2019']]
us_pop.columns = ['state', 'Population']
us_pop.head(5)
```

Out[8]:

	state	Population
0	United States	328239523
1	Northeast Region	55982803
2	Midwest Region	68329004
3	South Region	125580448
4	West Region	78347268

```
In [0]:
```

```
us_cases_aggregated = pd.merge(us_cases_aggregated, us_pop, on = 'state')
```

```
In [10]:
```

```
us_cases_aggregated['Cases per 1000 in population'] = us_cases_aggregated["cases_MAY"] / us_cases_aggregated["Population"] * 1000
us_cases_aggregated = us_cases_aggregated.drop(['cases_MAY', 'Population'], axis = 1)
us_cases_aggregated.head(5)
```

Out[10]:

	state	cases_MAR_to_APR	cases_APR_to_MAY	Cases per 1000 in population
0	Alabama	18339.130435	168.167885	2.319513
1	Alaska	29000.000000	33.333333	0.530384
2	Arizona	30376.923077	232.382635	1.809247
3	Arkansas	9893.750000	179.111945	1.478890
4	California	5570.920502	184.114804	1.949144

US Unemployment Data

When governments take actions to prevent the spread of COVID-19, there may be negative impacts of the welfare of the labours. One data point we often look at is the unemployment.

The US Bureau of Labour Statistics releases the labour data by state on the monthly basis, and they are available at [this webpage](#). Unfortunately, they did not provide downloadable data and/or API. Python Spider, in this case, will help us fetch the data from their webpage.

```
In [11]:
```

```
import requests

url = 'https://www.bls.gov/news.release/laus.t01.htm#'
page = requests.get(url)
print(page.text)
```

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN" "http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
```

```

<HEAD>
<TITLE> Table 1. Civilian labor force and unemployment by state and selected area, seasonal
ly adjusted </TITLE>

<meta name="agency" content="BLS" />
<meta name="audience" content="general" /> <meta http-equiv="expires" content="-1">
<meta http-equiv="Pragma" content="no-cache">

    <!--[if lt IE 9]>
    <link href="/stylesheets/ie8-styles.css" media="all" rel="Stylesheet" type="text/css">
    <![endif]-->
    <!--[if lt IE 8]>
    <link href="/stylesheets/ie7-styles.css" media="all" rel="Stylesheet" type="text/css">
    <![endif]-->
    <!--[if lt IE 7]>
    <link href="/stylesheets/ie6-styles.css" media="all" rel="Stylesheet" type="text/css">
    <style type="text/css">
    body {
        behavior:url(/stylesheets/csshover2.htc);
    }
    </style>
    <![endif]-->
    <!--[if IE]>
    <style type="text/css">
    body {
        font-size: expression(1 / (screen.deviceXDPI / 96) * 84 + '%');
    }
    </style>
    <![endif]-->
<meta name="subagency" content="BLS: Employment and Unemployment">
<meta name="program" content="BLS: Employment and Unemployment: Local Area Unemployment Stat
istics">
<meta name="subject" content="Statistics: By geographical coverage: State, Statistics: By ge
ographical coverage: Sub-state (County/MSA/City), Statistics: Employment and Unemployment"><
meta name="subagency" content="BLS: Employment and Unemployment">
<meta name="program" content="BLS: Employment and Unemployment: Employment, Hours, and Earni
ngs from the Current Employment Statistics survey (State & Metro Area)">
<meta name="subject" content="Statistics: By geographical coverage: State, Statistics: By ge
ographical coverage: Sub-state (County/MSA/City), Statistics: By Industries, Statistics: Wag
es and benefits: Hours and earnings"> <!-- START include/global/head.stm -->
    <script id="_fed_an_ua_tag" src="https://dap.digitalgov.gov/Universal-Federated-Analytics-M
in.js?agency=DOL&subagency=BLS&yt=true"></script>
    <script src="/javascripts/jquery-latest.js"></script>
    <script src="/javascripts/bls-latest.js"></script>
    <script src="/javascripts/jquery-tools.js"></script>
    <script src="/javascripts/jquery-migrate-1.2.1.min.js"></script>
    <script>
    (function (g) {
var d = document, am = d.createElement('script'), h = d.head || d.getElementsByTagName("head
")[0], fsr = 'fsReady',
aex = {
    "src": "//gateway.foresee.com/sites/bls.gov/production/gateway.min.js",
    "type": "text/javascript",
    "async": "true",
    "data-vendor": "fs",
    "data-role": "gateway"
};
for (var attr in aex){am.setAttribute(attr, aex[attr]);}h.appendChild(am);g[fsr] = function
() {var aT = '__' + fsr + '_stk__';g[aT] = g[aT] || [];g[aT].push(arguments);};
})(window);
fsReady(function() {
    FSR.CPPS.get('visitedSubSites', function(val) {
        var cpp = {};if(val){var arr = val.split(/,/gi);if(!arr.length){arr.push(val)}for(key in a
rr){if(typeof arr[key] == "string"){cpp[arr[key]] = true;}}var rp = window.location.pathnam
e.replace(/\(/opub\/(.*?)\/.*$|(.*)\/.*/gi,"$2$3");if(rp.match(/(blog|btn|ces|cew|cex|cha
rts|cpi|cps|ebs|ect|emp|fls|iif|jlt|lau|lpc|mfp|mlr|mxp|ncs|nls|oes|ooh|ors|ppi|regions|sae|
ted|tus|video)/gi)){cpp[rp] = true;var out = "";for(key in cpp){out+= key + ",";}out=out.rep
lace(/,$/,",");FSR.CPPS.set('visitedSubSites',out);

```

```

    }
    });
});
</script>

<link rel="stylesheet" href="/assets/bootstrap/4.0.0/bootstrap.min.css">
<!--script src="/assets/bootstrap/4.0.0/jquery-3.2.1.slim.min.js"></script-->
<script src="/assets/bootstrap/4.0.0/popper.min.js"></script>
<script src="/assets/bootstrap/4.0.0/bootstrap.min.js"></script>

<link rel="stylesheet" type="text/css" href="/stylesheets/bls_combined.css">
<link rel="stylesheet" type="text/css" href="/stylesheets/bls_content.css">
<link rel="stylesheet" type="text/css" href="/stylesheets/bls_tables.css">
<link rel="stylesheet" type="text/css" href="/stylesheets/jquery-tools.css">
<link rel="stylesheet" type="text/css" href="/stylesheets/bls_nr.css">
    <!--[if lt IE 9]>
    <link href="/stylesheets/ie8-styles.css" media="all" rel="Stylesheet" type="text/css">
    <![endif]-->
    <!--[if lt IE 8]>
    <link href="/stylesheets/ie7-styles.css" media="all" rel="Stylesheet" type="text/css">
    <![endif]-->
    <!--[if lt IE 7]>
    <link href="/stylesheets/ie6-styles.css" media="all" rel="Stylesheet" type="text/css">
    <style>
    body {
        behavior:url(/stylesheets/csshover2.htc);
    }
    </style>
    <![endif]-->
    <!--[if IE]>
    <style>
    body {
        font-size: expression(1 / (screen.deviceXDPI / 96) * 84 + '%');
    }
    </style>
    <![endif]-->
    <noscript>
    <link rel="stylesheet" type="text/css" href="/stylesheets/bls_noscript.css">
    </noscript>
    <!-- This means that the browser will (probably) render the width of the page at the width
of its own screen. -->
    <meta name="viewport" content="width=device-width, initial-scale=1">

    <meta http-equiv="x-ua-compatible" content="IE=Edge" />
    <meta property="og:image" content="https://www.bls.gov/images/bls_emblem.png" />
    <style>
    td.gsc-table-cell-thumbnail{
        display:none !important;
    }
    </style>
    <link rel="apple-touch-icon" sizes="180x180" href="/apple-touch-icon.png" />
    <link rel="icon" type="image/png" href="/favicon-32x32.png" sizes="32x32" />
    <link rel="icon" type="image/png" href="/favicon-16x16.png" sizes="16x16" />
    <link rel="manifest" href="/manifest.json" />
    <link rel="mask-icon" href="/safari-pinned-tab.svg" color="#5bbad5" />
    <meta name="theme-color" content="#ffffff" />
    <!-- END include/global/head.stm --></HEAD>
<body>

<!-- OneColHeadBasic Begin -->

<!--no_index_start-->
<!-- DOL BANNER BEGIN -->
<!-- DOL BANNER START -->
    <a class="skinlink" href="#startcontent">Skip to Content</a>

```

```

<a class="skipLink" href="#startContent">Skip to Content</a>

<div id="usa-banner-wrapper">
<div id="usa-banner" class="bootstrap">
  <div class="content">
    <div class="USA-flag-link">
      
      <p>An official website of the United States government

    <button type="button" data-toggle="collapse" data-target="#usaBanner" aria-expanded="false"
    aria-controls="usaBanner">Here is how you know <span class="oi" data-glyph="chevron-bottom">
    </span></button>
    </p>
  </div>
  <a href="https://www.dol.gov/" id="dolHolder" class="dolHolder" target="_blank">
  United States Department of Labor</a>
</div>

<div class="collapse " id="usaBanner">
<div class="row">
<div class="col-md-6">
  

  <p>
    <strong>The .gov means it's official.</strong>
    <br> Federal government websites often end in .gov or .mil. Before sharing sensitive info
    rmation,
    make sure you're on a federal government site.
  </p>
</div>

<div class="col-md-6">
  

  <p>
    <strong>The site is secure.</strong>
    <br> The
    <strong>https://</strong> ensures that you are connecting to the official website and tha
    t any
    information you provide is encrypted and transmitted securely.
  </p>
</div>
</div>
</div>
</div>
</div>

<!-- DOL BANNER END -->

<!-- DOL BANNER END -->
<!-- BLS BANNER BEGIN -->
<div id="bls-banner-wrapper">
<div id="top"></div>
  <div class="bootstrap">
<div>
  <div id="bls-banner" class="row autowidth">
    <div id="bls-banner-emblem" class="col-sm-12 col-md-7">
      <a href="/home.htm">U.S. Bureau of Labor Statistics</a>
    </div>
    <div id="bls-banner-right" class="col-sm-12 col-md-5 d-none d-md-block">
      <div id="bls-banner-links"><span class="social-follow"><a title="Follow BLS on Twitter
      " target="_blank" href="http://twitter.com/BLS_gov" aria-label="Bureau of Labor Statistics T
      witter">Follow Us</a> </span><span class="social-follow-links">

```

```

        <!-- -->
        <a target="_blank" href="http://twitter.com/BLS_gov" aria-label="Bureau of Labor Sta
tistics Twitter"></a>
        <!---->
        </span> | <a href="/schedule/news_release/">Release Calendar</a> | <a href="https://
blogs.bls.gov/blog/" aria-label="Blog page">Blog</a></div>
        <div id="bls-banner-search1" class="bls-banner-search">
            <form method="get" action="/search/query">
                <label for="bls-banner-search-submit1" class="invisible">Search button</label>
                <input type="image" src="/images/buttons/search_button_blue_16.png" name="term" id
="bls-banner-search-submit1" alt="BLS Search Submit" title="Submit" >
                <label for="bls-banner-search-input1" class="invisible">Search:</label>
                <input name="query" type="text" id="bls-banner-search-input1" value="Search BLS.go
v" title="Search Input" onclick="this.value=''; this.onclick = null;">

                </form>
            </div>
        </div>
        <div class="clearfloat"></div>
    </div>
</div>
</div>
</div>
<!-- BLS BANNER END -->
<!-- MAIN NAV BEGIN -->

<div id="main-nav-wrapper">
    <div id="main-nav-container">
        <div>

<div class="bootstrap">
<nav class="navbar navbar-expand-md">

    <button class="navbar-toggler" type="button" data-toggle="collapse" data-target="#navbarSu
pportedContent" aria-controls="navbarSupportedContent" aria-expanded="false" aria-label="Tog
gle navigation">
        <span class="navbar-toggler-icon">Menu</span>
    </button>
    <div class="collapse navbar-collapse" id="navbarSupportedContent">

<ul class="nojs navbar-nav mr-auto">
    <li class="dropdownSearch"><div id="bls-banner-search" class="dropdown-search">
        <form method="get" action="/search/query">
            <label for="bls-banner-search-submit" class="invisible">Search button</label>
            <input type="image" src="/images/buttons/search_button_blue_20.png" name="term" id
="bls-banner-search-submit" alt="BLS Search Submit" title="Submit">
            <label for="bls-banner-search-input" class="invisible">Search:</label>
            <input name="query" type="text" id="bls-banner-search-input" value="Search BLS.gov
" title="Search Input" onclick="this.value=''; this.onclick = null;">

            </form>
        </div></li>
        <li class="nav-item dropdown active"><a class="nav-link dropdown-toggle" href="https://w
ww.bls.gov/" id="navbarDropdown1" role="button" data-toggle="dropdown" aria-haspopup="true"
aria-expanded="false">Home <i class="circle-arrow"></i></a>
            <div class="dropdown-menu" aria-labelledby="navbarDropdown1"><!-- *****
***** Begin Home Tab LIST *****
-->
<!-- 1st column -->

<div class="main-nav-submenu" id="submenu-home">
    <ul class="main-nav-submenu-inn">
        <li class="heading"><a href="/bls/proghome.htm" aria-label="Subject Areas">Subject Areas &
#187;</a></li>

```

```

<li><a href="/bls/inflation.htm" aria-label="Statistics on Inflation and Prices">Inflation
&amp; Prices</a></li>
<li><a href="/bls/spending.htm" aria-label="Statistics on Spending and Time Use">Spending
&amp; Time Use</a></li>
<li><a href="/bls/unemployment.htm" aria-label="Statistics on Unemployment">Unemployment</
a></li>
<li><a href="/bls/employment.htm" aria-label="Statistics on Employment">Employment</a></li
>
<li><a href="/bls/wages.htm" aria-label="Pay and Benefits">Pay &amp; Benefits</a></li>
<li><a href="/bls/productivity.htm" aria-label="Productivity Statistics">Productivity</a><
/li>
<li><a href="/iif/" aria-label="Workplace Injuries, Illnesses, and Fatalities">Workplace I
njuries</a></li>
<li><a href="/bls/international.htm" aria-label="International Data and Technical Cooperat
ion">International</a></li>
<li><a href="/bls/demographics.htm" aria-label="Demographic Data">Demographics</a></li>
<li><a href="/bls/industry.htm" aria-label="Statistics by Industry">Industries</a></li>
<li><a href="/bls/business.htm" aria-label="Statistics on Business Costs">Business Costs</
a></li>
<li><a href="/bls/occupation.htm" aria-label="Statistics by Occupation">Occupations</a></l
i>
<li><a href="/bls/geography.htm" aria-label="Statistics by Geography">Geography</a></li>
</ul>
<!-- 2nd column -->
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/audience/" aria-label="Resources For...">Resources For &#187
;</a></li>
<li><a href="/audience/business.htm" aria-label="Resources for Business Leaders">Business
Leaders</a></li>
<li><a href="/audience/consumers.htm" aria-label="Resources for Consumers">Consumers</a></
li>
<li><a href="/developers/" aria-label="Developer's Site">Developers</a></li>
<li><a href="/audience/economists.htm" aria-label="Economist or Economic Analyst">Economis
ts</a></li>
<li><a href="/audience/investors.htm" aria-label="Resources for Financial Investors">Inves
tors</a></li>
<li><a href="/audience/jobseekers.htm" aria-label="Resources for Jobseekers">Jobseekers</a
></li>
<li><a href="/newsroom/" aria-label="Newsroom">Media</a></li>
<li><a href="/audience/policy.htm" aria-label="Resources for Public Policymakers">Public P
olicymakers</a></li>
<li><a href="/audience/students.htm" aria-label="Resources for Students and Teachers">Stud
ents &amp; Teachers</a></li>
<li><a href="/respondents/" aria-label="Survey Respondents">Survey Respondents</a></li>
<li class="heading"><a href="/eag/" aria-label="At a Glance Tables">At a Glance Tables &#1
87;</a></li>
<li><a href="/eag/eag.us.htm" aria-label="United States' Economy at a Glance">U.S. Economy
</a></li>
<li><a href="/eag/" aria-label="Economy at a Glance">Regions, States, &amp; Areas</a></li>
<li><a href="/iag/" aria-label="Industries at a Glance">Industries</a></li>
</ul>
<!-- 3rd column -->
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/bls/infhome.htm" aria-label="More">MORE &#187;</a></li>
<li><a href="/bls/announcement.htm" aria-label="Announcements">Announcements</a></li>
<li><a href="/bls/bls-speakers/bls-speakers.htm" aria-label="BLS Speakers Available">BLS S
peakers Available</a></li>
<li><a href="/bls/erratabydate.htm" aria-label="More, Errata">Errata</a></li>
<li><a href="/bls/research.htm" aria-label="Research Programs">Research</a></li>
<li><a href="/osmr/response-rates/" aria-label="Response Rates">Response Rates</a></l
i>
<li><a href="/bls/other.htm" aria-label="More, Statistical Sites">Statistical Sites</a></l
i>
</ul>
</div>

```



```

</div>
</li>
<li class="nav-item dropdown"><a class="nav-link dropdown-toggle" href="/bls/proghome.htm" id="navbarDropdown2" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Subjects <i class="circle-arrow"></i></a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown2"><!-- *****
***** Begin SUBJECTS TAB list ***** -->
<!-- 1st column -->

<div class="main-nav-submenu" id="submenu-programs">
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/bls/inflation.htm" aria-label="Statistics on Inflation and Prices">Inflation & Prices &#187;</a></li>
<li><a href="/cpi/" aria-label="Consumer Price Index">Consumer Price Index</a></li>
<li><a href="/ppi/" aria-label="Producer Price Indexes">Producer Price Indexes</a></li>
<li><a href="/mxxp/" aria-label="Inflation and Prices, Import Export Price Indexes">Import/Export Price Indexes</a></li>
<li><a href="/ncs/ect/" aria-label="Employment Cost Trends">Employment Cost Index</a></li>
<li><a href="/bls/escalation.htm" aria-label="Contract Escalation">Contract Escalation</a></li>
<li><a href="/pir/" aria-label="Price and Index Number Research">Price Index Research</a></li>
<li class="heading"><a href="/bls/wages.htm" aria-label="Statistics on Pay and Benefits">Pay & Benefits &#187;</a></li>
<li><a href="/ncs/ect/" aria-label="Employment Cost Trends">Employment Costs</a></li>
<li><a href="/ncs/" aria-label="National Compensation Survey">National Compensation Data</a></li>
<li><a href="/bls/blswage.htm" aria-label="Wage Data by Area and Occupation">Wages by Area & Occupation</a></li>
<li><a href="/cps/earnings.htm#demographics" aria-label="Earnings by Demographics">Earnings by Demographics</a></li>
<li><a href="/ces/" aria-label="Current Employment Statistics">Earnings by Industry</a></li>
<li><a href="https://www.bls.gov/cew/" aria-label="Quarterly Census of Employment and Wages">County Wages</a></li> <!--full path is needed since they have a folder on the data server-->
<li><a href="/ncs/ebs/" aria-label="Employee Benefits Survey">Benefits</a></li>
<li><a href="/crp/" aria-label="Compensation Research & Program Development">Compensation Research</a></li>
<li><a href="/wsp/" aria-label="Work Stoppages">Strikes & Lockouts </a></li>
<li class="heading"><a href="/bls/spending.htm" aria-label="Statistics on Spending and Time Use">Spending & Time Use &#187;</a></li>
<li><a href="/cex/" aria-label="Consumer Expenditure Surveys">Consumer Expenditures </a></li>
<li><a href="/tus/" aria-label="American Time Use Survey">How Americans Spend Time</a></li>
</ul>
<!-- 2nd column -->
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/bls/unemployment.htm" aria-label="Statistics on Unemployment">Unemployment &#187;</a></li>
<li><a href="/cps/" aria-label="Labor Force Statistics from the Current Population Survey">National Unemployment Rate </a></li>
<li><a href="/lau/" aria-label="Local Area Unemployment Statistics">State & Local Unemployment Rates </a></li>
<li><a href="/ers/" aria-label="Employment Research and Program Development">Unemployment Research</a></li>
<li class="heading"><a href="/bls/employment.htm" aria-label="Statistics on Employment">Employment &#187;</a></li>
<li><a href="/ces/" aria-label="Current Employment Statistics">National Employment </a></li>
<li><a href="/sae/" aria-label="State and Metro Area Employment, Hours, and Earnings">State & Local Employment </a></li>
<li><a href="https://www.bls.gov/cew/" aria-label="Quarterly Census of Employment and Wages">State & County Employment </a></li> <!--full path is needed since they have a folder on the data server-->

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<li><a href="/cps/" aria-label="Labor Force Statistics from the Current Population Survey">Worker Characteristics </a></li>
<li><a href="/emp/" aria-label="Employment Projections">Employment Projections </a></li>
<li><a href="/jlt/" aria-label="Job Openings and Labor Turnover Survey">Job Openings & Labor Turnover </a></li>
<li><a href="/oes/" aria-label="Occupational Employment Statistics">Employment by Occupation </a></li>
<li><a href="/nls/" aria-label="National Longitudinal Surveys">Work Experience Over Time </a></li>
<li><a href="/bdm/" aria-label="Business Employment Dynamics">Business Employment Dynamics </a></li>
<li><a href="/fdi/" aria-label="Foreign Direct Investment">Foreign Direct Investment </a></li>
<li><a href="/ers/" aria-label="Employment Research and Program Development">Employment Research</a></li>
<li class="heading"><a href="/iif/" aria-label="Injuries, Illnesses, and Fatalities">Workplace Injuries &#187;</a></li>
<li class="heading"><a href="/ors/" aria-label="Occupational Requirements Survey">Occupational Requirements &#187;</a></li>
</ul>
<!-- 3rd column -->
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/bls/productivity.htm" aria-label="Productivity Statistics">Productivity &#187;</a></li>
<li><a href="/lpc/" aria-label="Labor Productivity and Costs"> Labor Productivity & Co sts</a></li>
<li><a href="/mfp/" aria-label="Multifactor Productivity">Multifactor Productivity</a></li>
<li><a href="/dpr/" aria-label="Productivity Research and Program Development">Productivity Research</a></li>
<li class="heading"><a href="/bls/international.htm" aria-label="International Data and Technical Cooperation">International &#187;</a></li>
<li><a href="/itc/" aria-label="International Technical Cooperation">International Technical Cooperation</a></li>
<li><a href="/mxp/" aria-label="Import/Export Price Indexes">Import/Export Price Indexes</a></li>
<li class="heading"><a href="/regions/" aria-label="Regional Offices Section: Geographic Information">Regional Offices &#187;</a></li>
<li><a href="/regions/new-england/" aria-label="New England Information Office">New England (Boston)</a></li>
<li><a href="/regions/new-york-new-jersey/" aria-label="New York to New Jersey Information Office">New York-New Jersey (NY City)</a></li>
<li><a href="/regions/mid-atlantic/" aria-label="Mid-Atlantic Information Office">Mid-Atlantic (Philadelphia)</a></li>
<li><a href="/regions/southeast/" aria-label="Southeast Information Office">Southeast (Atlanta)</a></li>
<li><a href="/regions/midwest/" aria-label="Midwest Information Office">Midwest (Chicago)</a></li>
<li><a href="/regions/southwest/" aria-label="Southwest Information Office">Southwest (Dallas)</a></li>
<li><a href="/regions/mountain-plains/" aria-label="Mountain-Plains Information Office">Mountain-Plains (Kansas City)</a></li>
<li><a href="/regions/west/" aria-label="Western Information Office">West (San Francisco)</a></li>
</ul>
</div>
<!-- *****End SUBJECT AREAS ***** -->
</div>
</li>
<li class="nav-item dropdown"><a class="nav-link dropdown-toggle" href="/data/" id="navbarDropdown3" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Data Tools <i class="circle-arrow"></i></a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown3"><!-- *****
***** Begin DATA TOOLS LIST ***** -->
</div>
<div class="main-nav-submenu" id="submenu-data">
<ul class="main-nav-submenu-inn">
```

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<li class="heading"><a href="/data/" aria-label="Databases, Tables & Calculators by Subject">Data Retrieval Tools &#187;</a></li>
<li><a href="https://data.bls.gov/cgi-bin/surveymost?bls" aria-label="Top Picks">Top Picks</a></li>
<li><a href="https://data.bls.gov/cgi-bin/srgate" aria-label="Series Report">Series Report</a></li>
<li><a href="/data/" aria-label="Databases, Tables and Calculators by Subject">One Screen</a></li>
<li><a href="/data/" aria-label="Databases, Tables and Calculators by Subject">Multi-Screen</a></li>
<li><a href="/data/#maps" aria-label="Create Customized Maps">Maps</a></li>
<li><a href="/data/#calculators" aria-label="Calculators">Calculators</a></li>
<li><a href="/data/#api" aria-label="Public Data Application Programming Interface">Public Data API</a></li>
</ul>
<!-- 2nd column -->
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="#" aria-label="Customized Tables">Customized Tables &#187;</a></li>
<li><a href="https://download.bls.gov/pub/time.series/" aria-label="Text Files">Text Files</a></li>
<li><a href="/data/#historical-tables" aria-label="Historical News Release Tables">News Release Tables</a></li>
<li class="heading"><a href="/bls/moredata.htm" aria-label="More Sources of Data">More Sources of Data &#187;</a></li>
<li><a href="/rda/" aria-label="Bureau of Labor Statistics Restricted Data Access">Restricted Data Access</a></li>
<li><a href="/data/archived.htm" aria-label="Discontinued Bureau of Labor Statistics Databases">Discontinued Databases</a></li>
<li><a href="/help/hlpform1.htm" aria-label="Frequently asked questions regarding Bureau of Labor Statistics website data retrieval tools">FAQs</a></li>
<li><a href="/help/notice.htm" aria-label="Program and Survey Notices">Special Notices</a></li>
<li><a href="/bls/moredata.htm" aria-label="More Sources of Data">More Sources of Data</a></li>
</ul>
</div>
<!-- *****End DATABASES and TOOLS LIST *****>
</div>
</li>
<li class="nav-item dropdown"><a class="nav-link dropdown-toggle" href="/opub/" id="navbardropdown4" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">Publications <i class="circle-arrow"></i></a>
<div class="dropdown-menu" aria-labelledby="navbardropdown4"><!-- *****
***** Begin PUBLICATIONS LIST *****>
*** -->
<div class="heading submenu-pubs"><a href="/opub/#latest" aria-label="Latest Publications">Latest Publications &#187;</a></div>
<div class="main-nav-submenu" id="submenu-pubs">
<ul class="main-nav-submenu-inn">
<li><a href="/opub/ted/" aria-label="The Economics Daily">The Economics Daily</a></li>
<li><a href="/opub/mlr/" aria-label="Monthly Labor Review">Monthly Labor Review</a></li>
<li><a href="/opub/btn/" aria-label="Beyond the Numbers">Beyond the Numbers</a></li>
<li><a href="/spotlight/" aria-label="Spotlight on Statistics">Spotlight on Statistics</a></li>
<li><a href="/opub/reports" aria-label="Bureau of Labor Statistics Reports">Reports</a></li>
<li><a href="https://blogs.bls.gov/blog/" aria-label="Commissioner's Corner">Commissioner's Corner</a></li>
<li><a href="/video/" aria-label="Videos">Videos</a></li>
</ul>
<!-- 2nd column -->
<ul class="main-nav-submenu-inn">
<li><a href="/careeroutlook/" aria-label="Career Outlook">Career Outlook</a></li>
<li><a href="/ooh/" aria-label="Occupational Outlook Handbook">Occupational Outlook Handbook</a></li>
<li><a href="/ooh/occupational-profile/" aria-label="Occupational Profile">Occupational Profile</a></li>

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</li><a href="/opub/geographic-profile/" aria-label="Geographic Profile">Geographic Profile
</a></li>
<li><a href="/opub/hom/" aria-label="Handbook of Methods">Handbook of Methods</a></li>
<!-- <li><a href="/nls/nlsnews.htm">National Longitudinal Surveys News</a></li>
<li><a href="/opub/#magazines">Magazines & Journals </a></li>
<li><a href="/opub/#chartbooks">Chartbooks</a></li>
<li><a href="/opub/#catalog">Catalog of Publications </a></li> -->
<li><a href="/osmr/research-papers/" aria-label="Office of Survey Methods Research">Resear
ch Papers</a></li>
<li><a href="/opub/#copyright" aria-label="Copyright Information">Copyright Information</a
></li>
<li><a href="/opub/#contact" aria-label="Contact and Help">Contact & Help </a></li>
</ul>
</div>
<!-- *****End PUBLICATIONS LIST *****
***** --> </div>
</li>
<li class="nav-item dropdown"><a class="nav-link dropdown-toggle" href="/bls/newsrels.ht
m" id="navbarDropdown5" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expan
ded="false">Economic Releases <i class="circle-arrow"></i></a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown5"><!-- *****
***** Begin ECONOMIC RELEASES LIST *****
***** -->
<!-- 1st column -->
<div class="main-nav-submenu" id="submenu-news">
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/bls/newsrels.htm#latest-releases" aria-label="Latest R
eleases">Latest Releases &#187;</a></li>
<li class="heading"><a href="/bls/newsrels.htm#major" aria-label="Major Economic Indicator
s">Major Economic Indicators &#187;</a></li>
<li class="heading"><a href="/schedule/news_release/" aria-label="Release Calendar">Schedu
les for news Releases &#187;</a></li>
<li><a href="/schedule/" aria-label="Release Calendar">By Month</a></li>
<li><a href="/schedule/schedule/by_prog/all_sched.htm" aria-label="Release Calendar">By Ne
ws Release</a></li>
<li><a href="/schedule/news_release/current_year.asp" aria-label="Release Calendar Current
Year">Current Year</a></li>
<li><a href="/bls/archived_sched.htm" aria-label="Schedules for Selected Bureau of Labor S
tatistics Economic News Releases for Prior Years">Prior Years</a></li>
<li class="heading"><a href="/bls/news-release/" aria-label="Archived News Releases">Archi
ved News Releases &#187;</a></li>
</ul>
<!-- 2nd column -->
<ul class="main-nav-submenu-inn">
<li class="heading"><a href="/bls/newsrels.htm#OEUS" aria-label="Employment and Unem
ployment">Employment & Unemployment &#187;</a></li>
<li><a href="/bls/newsrels.htm#OEUS" aria-label="Monthly">Monthly</a></li>
<li><a href="/bls/newsrels.htm#OEUS" aria-label="Quarterly Annual and Other">Quarterly, an
nual, and other</a></li>
<li class="heading" aria-label="Inflation and Prices"><a href="/bls/newsrels.htm#OPLC">Inf
lation & Prices &#187;</a></li>
<li class="heading"><a href="/bls/newsrels.htm#OCWC" aria-label="Pay and Benefits and Work
place Injuries">Pay & Benefits & Workplace Injuries &#187;</a></li>
<li class="heading"><a href="/bls/newsrels.htm#OPT" aria-label="Productivity and Technolog
y">Productivity & Technology &#187;</a></li>
<li class="heading"><a href="/bls/newsrels.htm#OEP" aria-label="Employment Projections">Em
ployment Projections &#187;</a></li>
<li class="heading"><a href="/bls/newsrels.htm#NEWS" aria-label="Regional News Releases">R
egional News Releases &#187;</a></li>
</ul>
</div></div>
</li>
<li class="nav-item dropdown"><a class="nav-link dropdown-toggle" href="/k12/" id="navba
rDropdown6" role="button" data-toggle="dropdown" aria-haspopup="true" aria-expanded="false">
Students <i class="circle-arrow"></i></a>
<div class="dropdown-menu" aria-labelledby="navbarDropdown6">
<!-- ***** Begin Students Tab LIST *****
***** -->
```

```
<div class="main-nav-submenu" id="submenu-students">
  <ul class="main-nav-submenu-inn">
    <li class="heading"><a href="/k12/" aria-label="K-12 Student and Teacher Resources">K-12 S
tudent & Teacher Resources &#187;</a></li>
    <li><a href="/k12/games/" aria-label="Games and Quizzes">Games & Quizzes</a></li>
  >
  <li><a href="/k12/students/" aria-label="Student Resources">Student Resources</a></li>
  <li><a href="/k12/teachers/" aria-label="Teacher's Desk">Teacher's Desk</a></li>
  <li><a href="/k12/history/" aria-label="History of BLS">History of BLS</a></li>
  <li><a href="/k12/faq.htm" aria-label="Frequently Asked Questions regarding K through 12">
FAQs</a></li>
  </ul>
</div>
<!-- *****End Students Tab LIST *****
***** --></div>

  </li>
  <li class="nav-item dropdown"><a class="nav-link dropdown-toggle" href="https://beta.bls
.gov" id="navbarDropdown7" role="button" data-toggle="dropdown" aria-haspopup="true" aria-ex
panded="false">Beta <i class="circle-arrow"></i></a>
    <div class="dropdown-menu" aria-labelledby="navbarDropdown7"><!-- *****
*****Start BETA LIST ***** --
  >
  <div class="main-nav-submenu" id="submenu-beta">
    <ul class="main-nav-submenu-inn">
      <li class="heading"><a href="https://beta.bls.gov/labs/?p=600" aria-label="Redesigned News R
eleases">Redesigned News Releases &#187;</a></li>
      <li class="heading"><a href="https://beta.bls.gov/api-charts/" aria-label="Industry Produc
tivity Viewer">Industry Productivity Viewer &#187;</a></li>
      <li class="heading"><a href="https://beta.bls.gov/dataQuery/" aria-label="Data Finde
r 1.0">Data Finder &#187;</a></li>
      <li class="heading"><a href="https://beta.bls.gov/comparison-matrix/" aria-label="Comparis
on Matrix of BLS compensation data sources">Comparing Pay Measures &#187;</a></li>
    </ul>
  </div>
  <!-- *****End BETA LIST *****
***** --></div>

    </li>

  </ul>

  </div>
</nav>
</div>

  </div>
  <div class="clearfloat"></div>
</div>
</div>

<!-- MAIN NAV END -->

<!-- WRAPPER TOP BEGIN -->

  <div id="wrapper-basic">

    <!-- WRAPPER TOP END -->
    <!-- SUBDOMAIN TITLE TOP BEGIN -->
    <div id="subdomain-title">
      <span id="subdomain-title-text">

    <!-- SUBDOMAIN TITLE TOP END -->
    <!-- SUBDOMAIN TITLE BEGIN -->
    <!--no_index_end-->
    <a href="/bls/newsrels.htm">Economic News Release</a>
```

```
<!--no_index_start-->
<!-- SUBDOMAIN TITLE END -->
<!-- SUBDOMAIN TITLE MIDDLE BEGIN -->
    </span>
<div class="article-tools-box-container">
    <div class="article-tools-box social-media" style="margin: 8px 0px 0px 4px;" >
        <span class="social-media">
            SHARE ON:
            <a href="javascript:void(0);" class="share_facebook"></a>
            <a href="javascript:void(0);" class="share_twitter"><img alt="share on twitter" s
rc="/images/icons/twitter.png" title="Twitter" /></a>
            <a href="javascript:void(0);" class="share_linkedin"></a>
            <!--<a href="javascript:void(0);" class="share_googleplus"></a-->
        </span>
    </div>
    <div class="article-tools-box" style="margin-right: 4px;">
        <a href="https://data.bls.gov/cgi-bin/print.pl/news.release/laus.t01.htm">PRINT:</a>
    </div>
</div>

<!-- SUBDOMAIN TITLE MIDDLE END -->

    <div class="article-tools-box"><a href="#TB_inline?height=200&width=325&inlineId=
lau_program_links" class="thickbox">LAU </a></div>
    <div id="lau_program_links" style="display: none;">
        <h2>Local Area Unemployment Statistics</h2>
        <ul>
            <li><a href="/lau/">LAU Homepage</a></li>
            <li><a href="/lau/lauov.htm">LAU Overview</a></li>
            <li><a href="/lau/laufaq.htm">LAU FAQ</a></li>
            <li><a href="/lau/laucont.htm">Contact LAU</a></li>
        </ul>
    </div>

    <div class="article-tools-box"><a href="#TB_inline?height=200&width=325&inlineId=
sae_program_links" class="thickbox">SAE </a></div>
    <div id="sae_program_links" style="display: none;">
        <h2>Employment, Hours, and Earnings from the Current Employment Statistics survey (State
and Metro Area)</h2>
        <ul>
            <li><a href="/sae/">SAE Homepage</a></li>
            <li><a href="/sae/overview.htm">SAE Overview</a></li>
            <li><a href="/sae/questions-and-answers.htm">SAE FAQ</a></li>
            <li><a href="/sae/contact.htm">Contact SAE</a></li>
        </ul>
    </div>

<!-- SUBDOMAIN TITLE BOTTOM BEGIN -->

</div> <!-- End Subdomain Title Div -->
<div id="subdomain-title-border"></div>

<!-- SUBDOMAIN TITLE BOTTOM END -->

<!-- 1COL LAYOUT COL1 BEGIN -->
<div class="clearfloat" id="startcontent"></div>
<div id="main-content-full-width" class="main-content" role="main">
    <div id="bodytext" class="verdana md">

<!-- 1COL LAYOUT COL1 END -->
```

<!-- COL LAYOUT COL1 END -->

<!--no_index_end-->

<!-- OneColHeadBasic End -->

<H2> Table 1. Civilian labor force and unemployment by state and selected area, seasonally adjusted</H2>

<DIV CLASS="normalnews">

<!-- HTML Format -->

<table class="regular" id="lau_srd_tbl">

<caption>LABOR FORCE DATA
SEASONALLY ADJUSTED

Table 1. Civilian labor force and unemployment by state and selected area, seasonally adjusted</caption>

<thead>

<tr>

<th class="stubhead" id="lau_srd_tbl.h.1.1" rowspan="3">State and area</th>

<th class="stubhead" colspan="4" id="lau_srd_tbl.h.1.2">Civilian labor force</th>

<th class="stubhead" colspan="8" id="lau_srd_tbl.h.1.6">Unemployed</th>

</tr>

<tr>

<th class="stubhead" headers="lau_srd_tbl.h.1.2" id="lau_srd_tbl.h.2.2" rowspan="2">Apr.
2019</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.2" id="lau_srd_tbl.h.2.3" rowspan="2">Feb.
2020</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.2" id="lau_srd_tbl.h.2.4" rowspan="2">Mar.
2020</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.2" id="lau_srd_tbl.h.2.5" rowspan="2">Apr.
2020(p</th>

<th class="stubhead" colspan="4" headers="lau_srd_tbl.h.1.6" id="lau_srd_tbl.h.2.6">Number</th>

<th class="stubhead" colspan="4" headers="lau_srd_tbl.h.1.6" id="lau_srd_tbl.h.2.10">Percent of labor force</th>

</tr>

<tr>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6" id="lau_srd_tbl.h.3.6">Apr.
2019</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6" id="lau_srd_tbl.h.3.7">Feb.
2020</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6" id="lau_srd_tbl.h.3.8">Mar.
2020</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6" id="lau_srd_tbl.h.3.9">Apr.
2020(p</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10" id="lau_srd_tbl.h.3.10">Apr.
2019</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10" id="lau_srd_tbl.h.3.11">Feb.
2020</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10" id="lau_srd_tbl.h.3.12">Mar.
2020</th>

<th class="stubhead" headers="lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10" id="lau_srd_tbl.h.3.13">Apr.
2020(p</th>

</tr>

</thead>

<tbody>

<tr>

<th headers="lau_srd_tbl.h.1.1" id="lau_srd_tbl.r.1"><p class="sub0">Alabama</p></th>

<td headers="lau_srd_tbl.r.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.2">2,236,130</td>

<td headers="lau_srd_tbl.r.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3">2,243,960</td>

<td headers="lau_srd_tbl.r.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4">2

218,590	
lau_srd_tbl.r.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5	2195,299
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6	71,185
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.7	59,655
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8	67,004
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.9	283,787
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10	3.2
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11	2.7
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12	3.0
lau_srd_tbl.r.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13	12.9

Alaska	
lau_srd_tbl.r.2 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.2	348,294
lau_srd_tbl.r.2 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3	345,418
lau_srd_tbl.r.2 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4	344,266
lau_srd_tbl.r.2 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5	339,863
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6	21,355
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.7	20,095
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8	18,015
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.9	43,683
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10	6.1
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11	5.8
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12	5.2
lau_srd_tbl.r.2 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13	12.9

Arizona	
lau_srd_tbl.r.3 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.2	3,516,267
lau_srd_tbl.r.3 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3	3,613,043
lau_srd_tbl.r.3 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4	3,578,637
lau_srd_tbl.r.3 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5	3,540,767
lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6	169,458
lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.7	161,238
lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8	219,151
lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.9	445,461
lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10	


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class="datavalue">4.8</span></td>
  <td headers="lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><span
class="datavalue">4.5</span></td>
  <td headers="lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><span
class="datavalue">6.1</span></td>
  <td headers="lau_srd_tbl.r.3 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><span
class="datavalue">12.6</span></td>
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,361,142</span></td>
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  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">1
,386,469</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">1
,316,871</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6"><span c
lass="datavalue">48,175</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.7"><span c
lass="datavalue">47,802</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8"><span c
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  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.9"><span c
lass="datavalue">133,962</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10"><span
class="datavalue">3.5</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><span
class="datavalue">3.5</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><span
class="datavalue">5.0</span></td>
  <td headers="lau_srd_tbl.r.4 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><span
class="datavalue">10.2</span></td>
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9,342,084</span></td>
  <td headers="lau_srd_tbl.r.5 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3"><span class="datavalue">1
9,516,042</span></td>
  <td headers="lau_srd_tbl.r.5 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">1
9,167,967</span></td>
  <td headers="lau_srd_tbl.r.5 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">1
8,568,231</span></td>
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lass="datavalue">806,461</span></td>
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lass="datavalue">759,328</span></td>
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lass="datavalue">1,052,163</span></td>
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lass="datavalue">2,885,334</span></td>
  <td headers="lau_srd_tbl.r.5 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10"><span
class="datavalue">4.2</span></td>
  <td headers="lau_srd_tbl.r.5 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><span
class="datavalue">3.9</span></td>
  <td headers="lau_srd_tbl.r.5 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><span
class="datavalue">5.5</span></td>
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class="datavalue">15.5</span></td>
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Angeles Long Beach Glendale</p></th>
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[illegible]

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lau_srd_tbl1.r.7	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.8	65,620
lau_srd_tbl1.r.7	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.9	140,743
lau_srd_tbl1.r.7	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.10	3.7
lau_srd_tbl1.r.7	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.11	3.8
lau_srd_tbl1.r.7	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.12	3.4
lau_srd_tbl1.r.7	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.13	7.9

lau_srd_tbl1.h.1.1	lau_srd_tbl1.r.8	<p class="sub0">Delaware</p>		
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.2	486,041	
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.3	489,276	
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.4	477,377	
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.5	465,075	
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.6	17,592
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.7	19,233
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.8	23,764
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.9	66,665
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.10	3.6
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.11	3.9
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.12	5.0
lau_srd_tbl1.r.8	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.13	14.3

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lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.3	414,353	
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.4	420,505	
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.5	403,129	
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.6	23,039
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.7	21,337
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.8	25,431
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.9	44,874
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.10	5.6
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.11	5.1
lau_srd_tbl1.r.9	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.12	5.1

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class="datavalue">6.0</span></td>
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class="datavalue">11.1</span></td>
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10,262,056</span></td>
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10,455,399</span></td>
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10,331,185</span></td>
  <td headers="lau_srd_tbl.r.10 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">
9,438,197</span></td>
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class="datavalue">337,549</span></td>
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class="datavalue">290,724</span></td>
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class="datavalue">1,217,964</span></td>
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n class="datavalue">3.3</span></td>
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n class="datavalue">2.8</span></td>
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n class="datavalue">4.4</span></td>
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n class="datavalue">12.9</span></td>
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ami-Miami Beach-Kendall<span class="footnoteRefs">(<a href="#lau_srd_tbl.f.1" title="Click t
o jump to footnotes at bottom of the table">1</a>)</span></p></th>
  <td headers="lau_srd_tbl.r.10.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.2"><span class="datavalue
">1,377,104</span></td>
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">1,392,443</span></td>
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n class="datavalue">36,724</span></td>
  <td headers="lau_srd_tbl.r.10.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.7"><spa
n class="datavalue">24,922</span></td>
  <td headers="lau_srd_tbl.r.10.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8"><spa
n class="datavalue">49,210</span></td>
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n class="datavalue">125,906</span></td>
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pan class="datavalue">2.7</span></td>
  <td headers="lau_srd_tbl.r.10.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><s
pan class="datavalue">1.8</span></td>
  <td headers="lau_srd_tbl.r.10.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><s
pan class="datavalue">3.7</span></td>
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pan class="datavalue">10.3</span></td>
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4,875,448</span></td>
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n class="datavalue">3.6</span></td>
<td headers="lau_srd_tbl.r.11 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><spa
n class="datavalue">3.1</span></td>
<td headers="lau_srd_tbl.r.11 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><spa
n class="datavalue">4.6</span></td>
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n class="datavalue">11.9</span></td>
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662,973</span></td>
<td headers="lau_srd_tbl.r.12 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3"><span class="datavalue">
669,072</span></td>
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665,727</span></td>
<td headers="lau_srd_tbl.r.12 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">
627,435</span></td>
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class="datavalue">18,196</span></td>
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<td headers="lau_srd_tbl.r.12 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10"><spa
n class="datavalue">2.7</span></td>
<td headers="lau_srd_tbl.r.12 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><spa
n class="datavalue">2.7</span></td>
<td headers="lau_srd_tbl.r.12 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><spa
n class="datavalue">2.4</span></td>
<td headers="lau_srd_tbl.r.12 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><spa
n class="datavalue">22.3</span></td>
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876,762</span></td>
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891,661</span></td>
<td headers="lau_srd_tbl.r.13 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">
894,632</span></td>
<td headers="lau_srd_tbl.r.13 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">
891,791</span></td>
<td headers="lau_srd_tbl.r.13 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6"><span
class="datavalue">25,841</span></td>
<td headers="lau_srd_tbl.r.13 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.7"><span
class="datavalue">23,839</span></td>
<td headers="lau_srd_tbl.r.13 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8"><span
class="datavalue">21,974</span></td>
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lau_srd_tbl.r.13	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9"
102,975			
lau_srd_tbl.r.13	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10"
2.9			
lau_srd_tbl.r.13	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11"
2.7			
lau_srd_tbl.r.13	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12"
2.5			
lau_srd_tbl.r.13	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.13"
11.5			

Illinois			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.2"	6,452,156
lau_srd_tbl.r.14	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.3"	6,398,665
lau_srd_tbl.r.14	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.4"	6,294,250
lau_srd_tbl.r.14	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.5"	6,114,820
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.6"
270,974			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.7"
218,785			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.8"
264,127			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9"
1,004,365			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10"
4.2			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11"
3.4			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12"
4.2			
lau_srd_tbl.r.14	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.13"
16.4			

Chicago-Naperville-Arlington Heights			
(Click to jump to footnotes at bottom of the table)			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.2"	3,724,379
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.3"	3,693,130
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.4"	3,752,451
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.5"	3,637,461
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.6"
146,469			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.7"
116,148			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.8"
187,141			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9"
578,965			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10"
3.9			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11"
3.1			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12"
5.0			
lau_srd_tbl.r.14.1	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.13"
15.9			

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3,382,499</span></td>
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3,396,229</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">
3,277,678</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">
3,237,228</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6"><span
class="datavalue">115,589</span></td>
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class="datavalue">105,189</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8"><span
class="datavalue">99,892</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.9"><span
class="datavalue">545,909</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10"><spa
n class="datavalue">3.4</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><spa
n class="datavalue">3.1</span></td>
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n class="datavalue">3.0</span></td>
  <td headers="lau_srd_tbl.r.15 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><spa
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1,722,018</span></td>
  <td headers="lau_srd_tbl.r.16 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">
1,711,542</span></td>
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class="datavalue">47,044</span></td>
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class="datavalue">49,270</span></td>
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class="datavalue">56,574</span></td>
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class="datavalue">175,306</span></td>
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n class="datavalue">2.7</span></td>
  <td headers="lau_srd_tbl.r.16 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><spa
n class="datavalue">2.8</span></td>
  <td headers="lau_srd_tbl.r.16 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><spa
n class="datavalue">3.3</span></td>
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n class="datavalue">10.2</span></td>
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1,496,525</span></td>
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1,508,551</span></td>
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1,406,800</span></td>
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1,496,890</span></td>
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class="datavalue">46,789</span></td>
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class="datavalue">42,644</span></td>
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class="datavalue">168,317</span></td>
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n class="datavalue">3.2</span></td>
<td headers="lau_srd_tbl.r.17 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11"><spa
n class="datavalue">3.1</span></td>
<td headers="lau_srd_tbl.r.17 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><spa
n class="datavalue">2.8</span></td>
<td headers="lau_srd_tbl.r.17 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><spa
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2,084,089</span></td>
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2,066,275</span></td>
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2,060,553</span></td>
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class="datavalue">88,049</span></td>
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class="datavalue">88,138</span></td>
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class="datavalue">107,953</span></td>
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n class="datavalue">4.2</span></td>
<td headers="lau_srd_tbl.r.18 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><spa
n class="datavalue">5.2</span></td>
<td headers="lau_srd_tbl.r.18 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><spa
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2,087,912</span></td>
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2,109,980</span></td>
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2,126,568</span></td>
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1,938,029</span></td>
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class="datavalue">141,641</span></td>
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n class="datavalue">5.2</span></td>
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695,029</span></td>
<td headers="lau_srd_tbl.r.20 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">
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n class="datavalue">10.6</span></td>
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3,064,478</span></td>
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class="datavalue">107,394</span></td>
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class="datavalue">109,315</span></td>
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n class="datavalue">3.7</span></td>
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n class="datavalue">3.3</span></td>
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3,771,967				
lau_srd_tbl.r.22	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.5		
3,407,253				
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.6	
				113,738
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.7	
				106,572
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.8	
				106,920
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9	
				515,658
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10	
				3.0
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11	
				2.8
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12	
				2.8
lau_srd_tbl.r.22	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.13	
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troit-Warren-Dearborn<span class="footnoteRefs">(<a href="#lau_srd_tb1.f.2" title="Click to
jump to footnotes at bottom of the table">2</a>)</span></p></th>
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">2,157,449</span></td>
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n class="datavalue">9.7</td>
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n class="datavalue">3.5</td>
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n class="datavalue">3.6</td>
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n class="datavalue">11.3</td>
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[illegible]

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n class="datavalue">4.1</span></td>
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n class="datavalue">4.3</span></td>
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n class="datavalue">2.2</span></td>
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n class="datavalue">2.0</span></td>
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5,829,126</span></td>
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5,776,221</span></td>
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5,701,182</span></td>
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class="datavalue">236,411</span></td>
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class="datavalue">240,841</span></td>
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class="datavalue">334,454</span></td>
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class="datavalue">957,366</span></td>
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n class="datavalue">4.1</span></td>
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n class="datavalue">4.1</span></td>
<td headers="lau_srd_tbl.r.36 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><spa
n class="datavalue">5.8</span></td>
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n class="datavalue">12.2</span></td>
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  <td headers="lau_srd_tbl.r.36.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.2"><span class="datavalue">1,041,416</span></td>
  <td headers="lau_srd_tbl.r.36.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3"><span class="datavalue">1,041,551</span></td>
  <td headers="lau_srd_tbl.r.36.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">1,009,700</span></td>
  <td headers="lau_srd_tbl.r.36.1 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">995,546</span></td>
  <td headers="lau_srd_tbl.r.36.1 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6"><span class="datavalue">41,986</span></td>
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  <td headers="lau_srd_tbl.r.37 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3"><span class="datavalue">1,844,257</span></td>
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  <td headers="lau_srd_tbl.r.37 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">1,767,597</span></td>
  <td headers="lau_srd_tbl.r.37 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6"><span class="datavalue">59,038</span></td>
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  <td headers="lau_srd_tbl.r.37 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.8"><span class="datavalue">53,727</span></td>
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  <td headers="lau_srd_tbl.r.37 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12"><span class="datavalue">2.9</span></td>
  <td headers="lau_srd_tbl.r.37 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13"><span class="datavalue">13.7</span></td>
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  <td headers="lau_srd_tbl.r.38 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.3"><span class="datavalue">2,105,508</span></td>
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lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.6">84,396</td>
lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.7">69,042</td>
lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.8">72,890</td>
lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.9">300,420</td>
lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.10">4.0</td>
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lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.12">3.5</td>
lau_srd_tbl1.r.38	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.13">14.2</td>

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lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.3">6,558,419</td>	
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.4">6,542,916</td>	
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.5">6,451,516</td>	
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.6">267,030</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.7">309,028</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.8">379,490</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.9">975,740</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.10">4.1</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.11">4.7</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.12">5.8</td>
lau_srd_tbl1.r.39	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.10	lau_srd_tbl1.h.3.13">15.1</td>
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lau_srd_tbl1.r.40	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.3">558,531</td>	
lau_srd_tbl1.r.40	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.4">565,163</td>	
lau_srd_tbl1.r.40	lau_srd_tbl1.h.1.2	lau_srd_tbl1.h.2.5">530,587</td>	
lau_srd_tbl1.r.40	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.6">20,064</td>
lau_srd_tbl1.r.40	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.7">18,780</td>
lau_srd_tbl1.r.40	lau_srd_tbl1.h.1.6	lau_srd_tbl1.h.2.6	lau_srd_tbl1.h.3.8">26,460</td>
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lau_srd_tbl.r.40	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10">3.6</td>
lau_srd_tbl.r.40	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11">3.4</td>
lau_srd_tbl.r.40	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12">4.7</td>
lau_srd_tbl.r.40	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.13">17.0</td>

lau_srd_tbl.h.1.1" id="lau_srd_tbl.r.41"><p class="sub0">South Carolina</p></th>			
lau_srd_tbl.r.41	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.2">2,371,542</td>	
lau_srd_tbl.r.41	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.3">2,391,855</td>	
lau_srd_tbl.r.41	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.4">2,405,171</td>	
lau_srd_tbl.r.41	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.5">2,377,911</td>	
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.6">77,671</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.7">58,631</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.8">76,369</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9">288,022</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10">3.3</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11">2.5</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12">3.2</td>
lau_srd_tbl.r.41	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.13">12.1</td>

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lau_srd_tbl.r.42	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.3">467,108</td>	
lau_srd_tbl.r.42	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.4">468,175</td>	
lau_srd_tbl.r.42	lau_srd_tbl.h.1.2	lau_srd_tbl.h.2.5">470,079</td>	
lau_srd_tbl.r.42	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.6">14,976</td>
lau_srd_tbl.r.42	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.7">15,610</td>
lau_srd_tbl.r.42	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.8">14,297</td>
lau_srd_tbl.r.42	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9">48,081</td>
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lau_srd_tbl.r.42	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11">3.3</td>
lau_srd_tbl.r.42	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12">3.1</td>
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3,365,849</span></td>
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3,375,134</span></td>
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3,209,198</span></td>
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14,199,564</span></td>
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14,004,479</span></td>
<td headers="lau_srd_tbl.r.44 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.5"><span class="datavalue">
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n class="datavalue">3.5</span></td>
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n class="datavalue">5.1</span></td>
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n class="datavalue">12.8</span></td>
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1,630,650</span></td>
<td headers="lau_srd_tbl.r.45 lau_srd_tbl.h.1.2 lau_srd_tbl.h.2.4"><span class="datavalue">
1,625,383</span></td>
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<td headers="lau_srd_tbl.r.45 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.6"><span
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lau_srd_tbl.r.45	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.6	lau_srd_tbl.h.3.9">155,810</td>
lau_srd_tbl.r.45	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.10">2.7</td>
lau_srd_tbl.r.45	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.11">2.5</td>
lau_srd_tbl.r.45	lau_srd_tbl.h.1.6	lau_srd_tbl.h.2.10	lau_srd_tbl.h.3.12">3.8</td>
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lau_srd_tbl.r.46 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.6 lau_srd_tbl.h.3.9">54,490</td>	<td headers="lau_srd_tbl.r.46 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.10">2.3</td>		
lau_srd_tbl.r.46 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.11">2.4</td>	<td headers="lau_srd_tbl.r.46 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.12">3.1</td>		
lau_srd_tbl.r.46 lau_srd_tbl.h.1.6 lau_srd_tbl.h.2.10 lau_srd_tbl.h.3.13">15.6</td>	</tr>		

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    <li class="footerNavItem"><a href="/data/">Data Tools</a></li>
    <li class="footerNavItem"><a href="/opub/">Publications</a></li>
    <li class="footerNavItem"><a href="/bls/newsrels.htm">Economic Releases</a></li>
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<span tabindex="0">Local Area Unemployment Statistics Information and Analysis</span>
<span tabindex="0">PSB Suite 4675</span>
<span tabindex="0">2 Massachusetts Avenue NE</span>
<span tabindex="0">Washington, DC 20212-0001</span>
</address><br>
<span id="footer-contact">

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<span>Telephone:</span><span> 1-202-691-6392 </span>

</a>

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<span tabindex="0">2 Massachusetts Avenue NE</span>
<span tabindex="0">Washington, DC 20212-0001</span>
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<div id="quicklinks" class="row col-xs-12 col-sm-12 col-md-8 col-lg-8">

<div class="col-xs-6 col-sm-4 col-md-4">
<strong>info</strong>
```

```
<a class="d-sm-none" data-toggle="collapse" href="#quicklinksli4" role="button" aria-expanded="false" aria-controls="quicklinksli4" aria-label="Info Sub Menu"></a>
<div class="collapse" id="quicklinksli4">
  <ul class="d-sm-block">
    <li><a href="/newsroom/" aria-label="Newsroom">What's New</a></li>
    <li><a href="/bls/faqs.htm" aria-label="Frequently Asked Questions">FAQs</a></li>
    <li><a href="/bls/topicsaz.htm" aria-label="A to Z">A-Z</a></li>
    <li><a href="/bls/glossary.htm" aria-label="Glossary">Glossary</a></li>
    <li><a href="/bls/infhome.htm" aria-label="About Bureau of Labor Statistics">About
BLS</a></li>
    <li><a href="/jobs/" aria-label="Careers at Bureau of Labor Statistics">Careers @ BL
S</a></li>
    <li><a href="https://www.dol.gov/dol/findit.htm" aria-label="Department of Labor Fin
d It! webpage">Find It! DOL</a></li>
    <li><a href="https://subscriptions.bls.gov/accounts/USDOLBLS/subscriber/new" aria-la
bel="Join our Mailing Lists">Join our Mailing Lists</a></li>

  </ul>
</div>
</div>
<div class="col-xs-6 col-sm-4 col-md-4">
<strong>resources</strong>
<a class="d-sm-none" data-toggle="collapse" href="#quicklinksli5" role="button" aria-expanded="false" aria-controls="quicklinksli5" aria-label="resources Sub Menu"></a>
<div class="collapse" id="quicklinksli5">
  <ul class="d-sm-block">
    <li><a href="https://www.oig.dol.gov/" aria-label="Office of Inspector General websi
te">Inspector General (OIG)</a></li>
    <li><a href="/bls/bls_budget_and_performance.htm" aria-label="Budget and Performance
">Budget and Performance</a></li>
    <li><a href="/bls/no_fear_act.htm" aria-label="No Fear Act">No Fear Act</a></li>
    <li><a href="https://www.usa.gov/" aria-label="USA.gov website">USA.gov</a></li>
  </ul>
</div>
</div>
<div class="col-xs-6 col-sm-4 col-md-4">
<strong>about this site</strong>
<a class="d-sm-none" data-toggle="collapse" href="#quicklinksli6" role="button" aria-expanded="false" aria-controls="quicklinksli6" aria-label="about this site Sub Menu"></a>
<div class="collapse" id="quicklinksli6">
  <ul class="d-sm-block">
    <li><a href="/bls/sitemap.htm" aria-label="Sitemap">Sitemap</a></li>
    <li><a href="/bls/blsfoia.htm" aria-label="Freedom of Information Act">Freedom of In
formation Act</a></li>
    <li><a href="/bls/pss.htm" aria-label="Privacy and Security Statement">Privacy &
Security Statement</a></li>
    <li><a href="/bls/disclaimer.htm" aria-label="Disclaimers">Disclaimers</a></li>
    <li><a href="/bls/linksite.htm" aria-label="Linking and Copyright Information">Linki
ng & Copyright Info</a></li>
    <li><a href="/bls/website-policies.htm" aria-label="Important Website Notices">Impor
tant Website Notices</a></li>
    <li><a href="/help/" aria-label="Help and Tutorials">Help & Tutorials</a></li>
  </ul>
</div>
</div>

</div>

</div>
</div>
</div>
<div id="footer-secondary-wrapper">

<div class="bootstrap standard-width">

<div>
<span>Connect With BLS</span>
  <div class="social-media-icons">
```

```

<a class="social-media-icon" href="http://twitter.com/BLS_gov" title="BLS Twitter"
" target="_blank" rel="noopener noreferrer" >
  <!--?xml version="1.0" encoding="utf-8"?-->
  <svg aria-hidden="true" data-prefix="fab" data-icon="twitter" class="svg-inlin
e--fa fa-twitter fa-w-16" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 512 512"><path fi
ll="currentColor" d="M459.37 151.716c3.25 4.548.325 9.097.325 13.645 0 138.72-105.583 298.55
8-298.558 298.558-59.452 0-114.68-17.219-161.137-47.106 8.447.974 16.568 1.299 25.34 1.299 4
9.055 0 94.213-16.568 130.274-44.832-46.132-.975-84.792-31.188-98.112-72.772 6.498.974 12.99
5 1.624 19.818 1.624 9.421 0 18.843-1.3 27.614-3.573-48.081-9.747-84.143-51.98-84.143-102.98
5v-1.299c13.969 7.797 30.214 12.67 47.431 13.319-28.264-18.843-46.781-51.005-46.781-87.391 0
-19.492 5.197-37.36 14.294-52.954 51.655 63.675 129.3 105.258 216.365 109.807-1.624-7.797-2.
599-15.918-2.599-24.04 0-57.828 46.782-104.934 104.934-104.934 30.213 0 57.502 12.67 76.67 3
3.137 23.715-4.548 46.456-13.32 66.599-25.34-7.798 24.366-24.366 44.833-46.132 57.827 21.117
-2.273 41.584-8.122 60.426-16.243-14.292 20.791-32.161 39.308-52.628 54.253z"></path></svg>
  <span class="sr-only">Twitter</span>
</a>

<a class="social-media-icon" href="https://www.youtube.com/channel/UCijn3WBpHtx4A
vSya7NER9Q" title="BLS Youtube" target="_blank" rel="noopener noreferrer" >
  <!--?xml version="1.0" encoding="utf-8"?-->
  <svg aria-hidden="true" data-prefix="fab" data-icon="youtube" class="svg-inlin
e--fa fa-youtube fa-w-18" xmlns="http://www.w3.org/2000/svg" viewBox="0 0 576 512"><path fil
l="currentColor" d="M549.655 124.083c-6.281-23.65-24.787-42.276-48.284-48.597C458.781 64 288
64 288 64S117.22 64 74.629 75.486c-23.497 6.322-42.003 24.947-48.284 48.597-11.412 42.867-11
.412 132.305-11.412 132.305s0 89.438 11.412 132.305c6.281 23.65 24.787 41.5 48.284 47.821C11
7.22 448 288 448 288 448s170.78 0 213.371-11.486c23.497-6.321 42.003-24.171 48.284-47.821 11
.412-42.867 11.412-132.305 11.412-132.305s0-89.438-11.412-132.305zm-317.51 213.508V175.185l11
42.739 81.205-142.739 81.201z"></path></svg>
  <span class="sr-only">Youtube</span>
</a>

<a class="social-media-icon" href="javascript:window.open('https://subscriptions.b
ls.gov/accounts/USDOLBLS/subscriber/new ', 'Popup', 'width=800,height=500,toolbar=no,scrollbar
s=yes,resizable=yes'); void('');" onclick="window.status='Subscribe'; return true" onmouseov
er="window.status='Subscribe'; return true" onmouseout="window.status=''; return true" id="e
mail" title="Subscribe to BLS E-mail Updates">
  <!--?xml version="1.0" encoding="utf-8"?-->
  <svg aria-hidden="true" focusable="false" data-prefix="fas" data-icon="envelop
e" class="svg-inline--fa fa-envelope fa-w-16" xmlns="http://www.w3.org/2000/svg" viewBox="0
0 512 512"><path fill="currentColor" d="M502.3 190.8c3.9-3.1 9.7-.2 9.7 4.7V400c0 26.5-21.5
48-48 48H48c-26.5 0-48-21.5-48-48V195.6c0-5 5.7-7.8 9.7-4.7 22.4 17.4 52.1 39.5 154.1 113.6
21.1 15.4 56.7 47.8 92.2 47.6 35.7.3 72-32.8 92.3-47.6 102-74.1 131.6-96.3 154-113.7zM256 32
0c23.2.4 56.6-29.2 73.4-41.4 132.7-96.3 142.8-104.7 173.4-128.7 5.8-4.5 9.2-11.5 9.2-18.9v-1
9c0-26.5-21.5-48-48-48H48C21.5 64 0 85.5 0 112v19c0 7.4 3.4 14.3 9.2 18.9 30.6 23.9 40.7 32.
4 173.4 128.7 16.8 12.2 50.2 41.8 73.4 41.4z"></path></svg>
  <span class="sr-only">Email</span>
</a>
</div>
</div>
</div>
<!-- FOOTER RIGHT END -->

<!--no_index_end-->
<!-- OneColFootBasic End -->
</body></html>

```

In [12]:

```

tree = html.fromstring(page.content)
headers = ['state', 'Apr. 2019', 'Feb. 2020', 'Mar. 2020', 'Apr. 2020']
provinces = np.array([i.text for i in tree.xpath('//table//tbody//tr//th//p')]).reshape((59
, 1))
entries = np.array(tree.xpath('//table//tbody//tr//td//span[@class="datavalue"]//text()')).
reshape((59, 12))
entries = np.hstack([provinces, entries[:,4:]])
result = pd.DataFrame({headers[i]: entries[:,i] for i in range(len(headers))})

```

```
result.head(5)
```

Out[12]:

	state	Apr. 2019	Feb. 2020	Mar. 2020	Apr. 2020
0	Alabama	71,185	59,655	67,004	283,787
1	Alaska	21,355	20,095	18,015	43,683
2	Arizona	169,458	161,238	219,151	445,461
3	Arkansas	48,175	47,802	69,728	133,962
4	California	806,461	759,328	1,052,163	2,885,334

To measure the impact on the labour market caused by the government policies, we will look at

- The change in Unemployment Rate from MAR 2020 to APR 2020, and
- The change in Unemployment Rate from APR 2019 to APR 2020.

These two changes are called MoM growth and YoY growth. Before proceeding, we see that Puerto Rico have data missing. So we will simply delete it from the dataset.

In [0]:

```
result = result.drop([58], axis=0)
```

In [0]:

```
for i in ['Apr. 2019', 'Feb. 2020', 'Mar. 2020', 'Apr. 2020']:  
    result[i] = result[i].str.replace(',', '').astype(float)
```

In [15]:

```
result["YoY Growth"] = (result["Apr. 2020"].astype(np.int64) - result["Apr. 2019"].astype(np.int64)) / result["Apr. 2019"].astype(np.float64) * 100  
result["MoM Growth"] = (result["Apr. 2020"].astype(np.int64) - result["Mar. 2020"].astype(np.int64)) / result["Mar. 2020"].astype(np.float64) * 100  
result = result.drop(['Apr. 2019', 'Feb. 2020', 'Mar. 2020', 'Apr. 2020'], axis = 1)  
result.head(5)
```

Out[15]:

	state	YoY Growth	MoM Growth
0	Alabama	298.661235	323.537401
1	Alaska	104.556310	142.481266
2	Arizona	162.873986	103.266697
3	Arkansas	178.073690	92.120812
4	California	257.777251	174.228803

In [0]:

```
us_cases_aggregated = pd.merge(us_cases_aggregated, result, on = 'state')  
del result
```

In [17]:

```
us_cases_aggregated.head(5)
```

Out[17]:

state	cases_MAR_to_APR	cases_APR_to_MAY	Cases per 1000 in population	YoY Growth	MoM Growth
-------	------------------	------------------	------------------------------	------------	------------

0	state	cases_MAR_to_APR	cases_APR_to_MAY	Cases per 1000 in population	YoY Growth	MoM Growth
	Alabama	18339.130435	168.167885	2.319513	298.661235	323.537401
1	Alaska	29000.000000	33.333333	0.530384	104.556310	142.481266
2	Arizona	30376.923077	232.382635	1.809247	162.873986	103.266697
3	Arkansas	9893.750000	179.111945	1.478890	178.073690	92.120812
4	California	5570.920502	184.114804	1.949144	257.777251	174.228803

Indicators for the Policies Carried out by the State Government

Our member team member Jinghan Wang searched tirelessly for policies carried out by the state governments. We used indicators to show if a state carried out a specific policy.

In [18]:

```
us_policy = pd.read_csv("./us_policy.csv")
us_policy.head(5)
```

Out[18]:

	State/Province	Declared state of emergency	Ordered Closure of K-12 schools	Closed daycares	Banned visits to long-term care homes	Closed non-essential businesses	Closed restaurants except take out	Closed cannabis and liquor stores	Closed gyms	Closed movie theaters	Froze evictions	Ordered freezing of utilities
0	Alabama	1	1	1	1	1	1	1	1	1	0	
1	Alaska	1	1	0	0	1	1	1	1	1	1	1
2	Arizona	1	1	0	0	1	1	1	1	1	0	0
3	Arkansas	1	1	0	1	0	1	1	1	0	0	
4	California	1	0	0	0	1	1	1	1	1	1	1

In [0]:

```
# Change the column name from 'state' to 'Province/Territory' to be consistent with
# the response variable.
us_cases_aggregated.columns = ['State/Province', 'cases_MAR_to_APR', 'cases_APR_to_MAY',
                                'percentage_infected_MAY', 'YoY Growth', 'MoM Growth']
```

In [20]:

```
us_cases_aggregated = pd.merge(us_cases_aggregated, us_policy, on = "State/Province")
us_cases_aggregated.head(5)
```

Out[20]:

	State/Province	cases_MAR_to_APR	cases_APR_to_MAY	percentage_infected_MAY	YoY Growth	MoM Growth	Declared state of emergency	Ordered Closure of K-12 schools
0	Alabama	18339.130435	168.167885	2.319513	298.661235	323.537401	1	
1	Alaska	29000.000000	33.333333	0.530384	104.556310	142.481266	1	
2	Arizona	30376.923077	232.382635	1.809247	162.873986	103.266697	1	

3	Arkansas	9893.750000	179.111945	1.478890	178.073690	92.120812	1	
4	California	5570.920502	184.114804	1.949144	257.777251	174.228803	Declared	Ordered
	State/Province	cases MAR to APR	cases APR to MAY	percentage infected MAY	YoY	MoM	state of	Closure

In [0]:

```
us_cases_aggregated.to_csv('us_data.csv', index = False)
```

Data from Canada

COVID-19 Cases and Deaths

The following dataset is relased by the Government of Canada. It includes the number of cases and deaths by day by province. This dataset is available at [this link](#).

In [22]:

```
can_cases = pd.read_csv("https://health-infobase.canada.ca/src/data/covidLive/covid19.csv")
can_cases.head(5)
```

Out[22]:

	pruid	prname	prnameFR	date	numconf	numprob	numdeaths	numtotal	numtested	numrecover	percentrecover	ratetes
0	35	Ontario	Ontario	31-01-2020	3	0	0.0	3	NaN	NaN	NaN	N
1	59	British Columbia	Colombie-Britannique	31-01-2020	1	0	0.0	1	NaN	NaN	NaN	N
2	1	Canada	Canada	31-01-2020	4	0	0.0	4	NaN	NaN	NaN	N
3	35	Ontario	Ontario	08-02-2020	3	0	0.0	3	NaN	NaN	NaN	N
4	59	British Columbia	Colombie-Britannique	08-02-2020	4	0	0.0	4	NaN	NaN	NaN	N

First, let's remove sum columns that looks too intriguing.

In [23]:

```
can_cases = can_cases[['prname', 'date', 'numconf', 'numdeaths']]
can_cases.head(5)
```

Out[23]:

	prname	date	numconf	numdeaths
0	Ontario	31-01-2020	3	0.0
1	British Columbia	31-01-2020	1	0.0
2	Canada	31-01-2020	4	0.0
3	Ontario	08-02-2020	3	0.0
4	British Columbia	08-02-2020	4	0.0

name date numcases numdeaths

In [0]:

```
can_cases.columns = ['state', 'date', 'cases', 'deaths']
march_cases = can_cases[can_cases['date'] == '15-03-2020']
march_cases = march_cases.drop(['date'], axis=1)
april_cases = can_cases[can_cases['date'] == '15-04-2020']
april_cases = april_cases.drop(['date'], axis=1)
may_cases = can_cases[can_cases['date'] == '15-05-2020']
may_cases = may_cases.drop(['date'], axis=1)
```

In [25]:

```
temp_1 = pd.merge(march_cases, april_cases, on = "state", suffixes=["_MAR", "_APR"])
can_cases_aggregated = pd.merge(temp_1, may_cases, on = "state")
del temp_1, march_cases, april_cases, may_cases
can_cases_aggregated.columns = ['state', 'cases_MAR', 'deaths_MAR', 'cases_APR', 'deaths_APR', 'cases_MAY', 'deaths_MAY']
can_cases_aggregated = can_cases_aggregated[can_cases_aggregated["cases_MAR"] > 0]
can_cases_aggregated = can_cases_aggregated.drop([13, 14], axis=0)
can_cases_aggregated
```

Out[25]:

	state	cases_MAR	deaths_MAR	cases_APR	deaths_APR	cases_MAY	deaths_MAY
0	British Columbia	73	1.0	1561	75.0	2407	140.0
1	Alberta	39	0.0	1996	48.0	6515	125.0
3	Manitoba	4	0.0	231	5.0	278	7.0
4	Ontario	103	1.0	8447	385.0	21922	1825.0
5	Quebec	24	0.0	14860	487.0	41420	3401.0
7	New Brunswick	1	0.0	117	0.0	120	0.0
9	Prince Edward Island	1	0.0	26	0.0	27	0.0

In [0]:

```
can_cases_aggregated["cases_MAR_to_APR"] = (can_cases_aggregated["cases_APR"] - can_cases_aggregated["cases_MAR"]) / can_cases_aggregated["cases_MAR"] * 100
can_cases_aggregated["cases_APR_to_MAY"] = (can_cases_aggregated["cases_MAY"] - can_cases_aggregated["cases_APR"]) / can_cases_aggregated["cases_APR"] * 100
```

In [0]:

```
can_cases_aggregated = can_cases_aggregated.drop(['cases_MAR', 'deaths_MAR', 'cases_APR', 'deaths_APR', 'deaths_MAY'], axis=1)
can_cases_aggregated.rename(columns = {'state': 'State/Province'}, inplace= True)
```

In [28]:

can_cases_aggregated

Out[28]:

	State/Province	cases_MAY	cases_MAR_to_APR	cases_APR_to_MAY
0	British Columbia	2407	2038.356164	54.196028
1	Alberta	6515	5017.948718	226.402806
3	Manitoba	278	5675.000000	20.346320
4	Ontario	21922	8100.970874	159.524091
5	Quebec	41420	61816.666667	178.734859

7	State/Province	cases_MAY	cases_MAR to APR	cases_APR to MAY
	New Brunswick	120	1600.000000	2.364103
9	Prince Edward Island	27	2500.000000	3.846154

Canadian Population Data

The following dataset includes Canadian Population statistics as well as Canadian Labour statistics. This dataset is released by the government of Canada, and it is available at [this link](#).

In [29]:

```

! wget https://www150.statcan.gc.ca/n1/en/tbl/csv/14100287-eng.zip
! unzip 14100287-eng.zip

--2020-06-14 23:10:43-- https://www150.statcan.gc.ca/n1/en/tbl/csv/14100287-eng.zip
Resolving www150.statcan.gc.ca (www150.statcan.gc.ca)... 205.193.226.160
Connecting to www150.statcan.gc.ca (www150.statcan.gc.ca)|205.193.226.160|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 52441025 (50M) [application/zip]
Saving to: '14100287-eng.zip.1'

14100287-eng.zip.1  45%[=====>          ] 22.97M  644KB/s    eta 43s    ^C
Archive:  14100287-eng.zip
replace 14100287.csv? [y]es, [n]o, [A]ll, [N]one, [r]ename: N

```

In [30]:

```

can_population_data = pd.read_csv("14100287.csv")
can_population_data["REF_DATE"] = pd.to_datetime(can_population_data["REF_DATE"])
import datetime
#date = ['2020-02-01', '2020-03-01', '2020-04-01', '2019-04-01']
can_population_data = can_population_data[can_population_data["GEO"] != "Canada"]
can_population_data = can_population_data[can_population_data["Data type"] == 'Seasonally adjusted']
can_population_data = can_population_data[can_population_data["Sex"] == 'Both sexes']
can_population_data = can_population_data[can_population_data["Age group"] == '15 years and over']
can_population_data = can_population_data[can_population_data["Statistics"] == 'Estimate']
can_population = can_population_data[can_population_data["Labour force characteristics"] == 'Population']
can_population = can_population.drop(["Data type", "Sex", "DGUID", "Labour force characteristics", "Age group", "Statistics", "UOM", "UOM_ID", "SCALAR_FACTOR", "SCALAR_ID", "VECTOR", "COORDINATE", "STATUS", "SYMBOL", "TERMINATED", "DECIMALS"], axis=1)
can_population

/usr/local/lib/python3.6/dist-packages/IPython/core/interactiveshell.py:2718: DtypeWarning:
Columns (15) have mixed types.Specify dtype option on import or set low_memory=False.
interactivity=interactivity, compiler=compiler, result=result)

```

Out[30]:

	REF_DATE	GEO	VALUE
1041	1976-01-01	Newfoundland and Labrador	367.7
1836	1976-01-01	Prince Edward Island	82.1
2631	1976-01-01	Nova Scotia	583.1
3426	1976-01-01	New Brunswick	476.8
4221	1976-01-01	Quebec	4696.3
...
4788228	2020-05-01	Ontario	12307.2
4789023	2020-05-01	Manitoba	1046.2

	REF_DATE	GEO	VALUE
4789818	2020-03-01	Saskatchewan	359.5
4790613	2020-05-01	Alberta	3571.9
4791408	2020-05-01	British Columbia	4162.3

5330 rows x 3 columns

In [31]:

```
can_population = can_population[["GEO", "VALUE"]][can_population["REF_DATE"] == "2020-03-01"]
can_population.columns = ["State/Province", "Population"]
can_population
```

Out[31]:

	State/Province	Population
4766271	Newfoundland and Labrador	439.8
4767066	Prince Edward Island	130.7
4767861	Nova Scotia	814.3
4768656	New Brunswick	635.3
4769451	Quebec	7102.4
4770246	Ontario	12289.1
4771041	Manitoba	1046.3
4771836	Saskatchewan	894.7
4772631	Alberta	3566.7
4773426	British Columbia	4154.4

In [0]:

```
can_cases_aggregated = pd.merge(can_cases_aggregated, can_population, on = 'State/Province')
)
```

In [33]:

```
can_cases_aggregated['Cases per 1000 in population'] = can_cases_aggregated["cases_MAY"] /
can_cases_aggregated["Population"]
can_cases_aggregated = can_cases_aggregated.drop(['cases_MAY', 'Population'], axis = 1)
can_cases_aggregated.head(5)
```

Out[33]:

	State/Province	cases_MAR_to_APR	cases_APR_to_MAY	Cases per 1000 in population
0	British Columbia	2038.356164	54.196028	0.579386
1	Alberta	5017.948718	226.402806	1.826618
2	Manitoba	5675.000000	20.346320	0.265698
3	Ontario	8100.970874	159.524091	1.783857
4	Quebec	61816.666667	178.734859	5.831831

Canadian Unemployment Data

The Canadian population dataset that we have used above includes Canadian labour statistics as well. This dataset is released by the government of Canada, and it is available at [this link](#).

In [34]:

```
can_labour_data1 = can_population_data[can_population_data["Labour force characteristics"]
== 'Unemployment']
can_labour_data1 = can_labour_data1.drop(["Data type", "Sex", "DGUID", "Labour force characte
ristics", "Age group", "Statistics", "UOM", "UOM_ID", "SCALAR_FACTOR", "SCALAR_ID", "VECTOR", "COO
RDINATE", "STATUS", "SYMBOL", "TERMINATED", "DECIMALS"], axis=1)
can_labour_data1.head(5)
```

Out[34]:

	REF_DATE	GEO	VALUE
1452	1976-01-01	Newfoundland and Labrador	22.7
2247	1976-01-01	Prince Edward Island	4.7
3042	1976-01-01	Nova Scotia	25.9
3837	1976-01-01	New Brunswick	29.1
4632	1976-01-01	Quebec	225.3

In [0]:

```
can_labour_mar20 = can_labour_data1[["GEO", "VALUE"]][can_labour_data1["REF_DATE"] == "2020
-03-01"]
can_labour_apr20 = can_labour_data1[["GEO", "VALUE"]][can_labour_data1["REF_DATE"] == "2020
-04-01"]
can_labour_apr19 = can_labour_data1[["GEO", "VALUE"]][can_labour_data1["REF_DATE"] == "2019
-04-01"]
```

In [36]:

```
temp_1 = pd.merge(can_labour_apr19, can_labour_mar20, on="GEO", suffixes=["_APR_19", "_MAR_
20"])
canada_labour = pd.merge(temp_1, can_labour_apr20, on = "GEO")
print(canada_labour.columns)
canada_labour.head(5)
```

Index(['GEO', 'VALUE_APR_19', 'VALUE_MAR_20', 'VALUE'], dtype='object')

Out[36]:

	GEO	VALUE_APR_19	VALUE_MAR_20	VALUE
0	Newfoundland and Labrador	30.6	28.9	35.8
1	Prince Edward Island	7.3	7.4	8.4
2	Nova Scotia	34.7	44.1	54.0
3	New Brunswick	30.9	33.3	47.2
4	Quebec	225.0	362.8	729.4

In [37]:

```
canada_labour.columns = ['GEO', 'Apr. 2019', 'Mar. 2020', 'Apr. 2020']
canada_labour.head(5)
```

Out[37]:

	GEO	Apr. 2019	Mar. 2020	Apr. 2020
0	Newfoundland and Labrador	30.6	28.9	35.8
1	Prince Edward Island	7.3	7.4	8.4
2	Nova Scotia	34.7	44.1	54.0

3	New Brunswick	2019	2020	2020
4	Quebec	225.0	362.8	729.4

To measure the impact on the labour market caused by the government policies, we will look at

- The change in Unemployment from MAR 2020 to APR 2020, and
- The change in Unemployment from APR 2019 to APR 2020.

These two changes are called MoM growth and YoY growth.

In [0]:

```
canada_labour["YoY Growth"] = (canada_labour["Apr. 2020"].astype(np.int64) - canada_labour["Apr. 2019"].astype(np.int64)) / canada_labour["Apr. 2019"].astype(np.float64) * 100
canada_labour["MoM Growth"] = (canada_labour["Apr. 2020"].astype(np.int64) - canada_labour["Mar. 2020"].astype(np.int64)) / canada_labour["Mar. 2020"].astype(np.float64) * 100
canada_labour = canada_labour.drop(['Apr. 2019', 'Mar. 2020', 'Apr. 2020'], axis = 1)
canada_labour.columns=["State/Province", "YoY Growth", "MoM Growth"]
```

In [39]:

```
canada_labour
```

Out[39]:

	State/Province	YoY Growth	MoM Growth
0	Newfoundland and Labrador	16.339869	24.221453
1	Prince Edward Island	13.698630	13.513514
2	Nova Scotia	57.636888	22.675737
3	New Brunswick	55.016181	42.042042
4	Quebec	224.000000	101.157663
5	Ontario	77.005808	40.471311
6	Manitoba	107.042254	68.337130
7	Saskatchewan	92.261905	47.945205
8	Alberta	80.712166	44.655582
9	British Columbia	125.303153	49.276915

In [0]:

```
can_cases_aggregated = pd.merge(can_cases_aggregated, canada_labour, on = 'State/Province')
del canada_labour
```

In [41]:

```
can_cases_aggregated.head(5)
```

Out[41]:

	State/Province	cases_MAR_to_APR	cases_APR_to_MAY	Cases per 1000 in population	YoY Growth	MoM Growth
0	British Columbia	2038.356164	54.196028	0.579386	125.303153	49.276915
1	Alberta	5017.948718	226.402806	1.826618	80.712166	44.655582
2	Manitoba	5675.000000	20.346320	0.265698	107.042254	68.337130
3	Ontario	8100.970874	159.524091	1.783857	77.005808	40.471311
4	Quebec	61816.666667	178.734859	5.831831	224.000000	101.157663

Indicators for the Policies Carried out by the Provincial Government

In [42]:

```
can_policy = pd.read_csv("./canada_policy.csv")
can_policy.rename(columns={'Province/Territory': 'State/Province'},
                  inplace=True)
can_policy.head(5)
```

Out[42]:

	State/Province	Declared state of emergency	Ordered Closure of K-12 schools	Closed daycares	Banned visits to long-term care homes	Closed non-essential businesses	Closed restaurants except take out	Closed cannabis and liquor stores	Closed gyms	Closed movie theaters	Froze evictions	Ordered freezin utiliti shutoff
0	Newfoundland and Labrador	1	1	1	1	1	1	1	1	1	1	
1	Prince Edward Island	1	1	1	1	1	1	1	1	1	1	
2	Nova Scotia	1	1	1	1	0	1	0	1	0	1	
3	New Brunswick	1	1	1	0	1	1	0	1	1	1	
4	Quebec	1	1	1	1	1	1	0	1	1	1	

In [43]:

```
can_cases_aggregated = pd.merge(can_cases_aggregated, can_policy, on = "State/Province")
can_cases_aggregated.head(5)
```

Out[43]:

	State/Province	cases_MAR_to_APR	cases_APR_to_MAY	Cases per 1000 in population	YoY Growth	MoM Growth	Declared state of emergency	Ordered Closure of K-12 schools	Closed daycares
0	British Columbia	2038.356164	54.196028	0.579386	125.303153	49.276915	1	1	0
1	Alberta	5017.948718	226.402806	1.826618	80.712166	44.655582	1	1	1
2	Manitoba	5675.000000	20.346320	0.265698	107.042254	68.337130	1	1	1
3	Ontario	8100.970874	159.524091	1.783857	77.005808	40.471311	1	1	1
4	Quebec	61816.666667	178.734859	5.831831	224.000000	101.157663	1	1	1

In [0]:

```
can_cases_aggregated.to_csv('can_data.csv', index = False)
```

Merge the data from the US and Canada

Tn [45]:

```
NA_data = pd.concat([us_cases_aggregated, can_cases_aggregated])
NA_data
```

Out[45]:

	State/Province	cases_MAR_to_APR	cases_APR_to_MAY	percentage_infected_MAY	YoY Growth	MoM Growth	Declared state of emergency	Order Closures of K schools
0	Alabama	18339.130435	168.167885	2.319513	298.661235	323.537401	1	
1	Alaska	29000.000000	33.333333	0.530384	104.556310	142.481266	1	
2	Arizona	30376.923077	232.382635	1.809247	162.873986	103.266697	1	
3	Arkansas	9893.750000	179.111945	1.478890	178.073690	92.120812	1	
4	California	5570.920502	184.114804	1.949144	257.777251	174.228803	1	
5	Colorado	5988.235294	156.123188	3.682579	283.083328	112.057771	1	
6	Connecticut	56650.000000	144.561166	10.121205	101.311630	114.481865	1	
7	Delaware	28671.428571	266.087388	7.571650	278.950659	180.529372	1	
8	District of Columbia	12823.529412	212.744652	9.735756	94.774079	76.453934	1	
9	Florida	20566.055046	95.906952	2.054686	260.825836	166.333412	1	
10	Georgia	14934.020619	141.664952	3.319261	215.864907	143.216467	1	
11	Hawaii	7385.714286	19.847328	0.443543	668.806331	776.681080	1	
12	Idaho	31640.000000	50.535602	1.336829	298.494640	368.622008	1	
13	Illinois	26062.765957	268.104745	7.144040	270.649952	280.258361	1	
14	Indiana	47426.315789	202.115172	4.052304	372.284560	446.499219	1	
15	Iowa	8968.181818	604.210526	4.452833	272.642632	209.870258	1	
16	Kansas	16577.777778	433.377748	2.748073	257.262327	294.702655	1	
17	Kentucky	10828.571429	230.196078	1.696185	261.473725	194.826452	1	
18	Louisiana	21211.650485	54.448544	7.292859	201.417316	98.792722	1	
19	Maine	6316.666667	108.181818	1.192520	233.630405	236.166675	1	
20	Maryland	31450.000000	267.521791	6.137440	154.203266	178.501578	1	
21	Massachusetts	18142.682927	178.832141	12.103150	353.373543	382.283951	1	
22	Michigan	52528.301887	79.191912	5.004778	396.838623	401.960916	1	
23	Minnesota	5068.571429	687.672747	2.526583	150.875464	180.833315	1	
24	Mississippi	33500.000000	221.458333	3.629187	170.591714	184.684068	1	
25	Missouri	97800.000000	115.873340	1.721731	199.393419	140.724749	1	
26	Montana	6633.333333	15.346535	0.436012	219.378794	206.582371	1	
27	Nebraska	3106.451613	882.494970	5.048573	172.894458	105.381439	1	
28	Nevada	12253.846154	109.620174	2.185928	546.458777	271.677803	1	
29	New Hampshire	8661.538462	204.126427	2.547600	502.480271	549.259996	1	
30	New Jersey	72379.591837	102.597494	16.201522	354.328261	307.170602	1	
31	New Mexico	8629.411765	281.536388	2.700268	121.588353	71.009270	1	
32	New York	29562.568306	61.631741	18.040450	246.916162	239.636722	1	

33	North Carolina	15909.375000	235.545579	1.639003	179.302715	165.701437	1	Declared state of emergency	Order Clos of K scho
34	North Dakota	36400.000000	382.465753	2.310836	267.574989	328.332308	1		
35	Ohio	20956.756757	245.988962	2.306080	304.958314	186.247436	1		
36	Oklahoma	28187.500000	124.745913	1.285327	311.052204	351.685372	1		
37	Oregon	4164.102564	112.928443	0.839550	255.964738	312.155303	1		
38	Pennsylvania	39317.647059	139.434413	5.013127	265.404636	157.118765	1		
39	Rhode Island	17545.000000	246.245395	11.534312	350.109649	241.307634	1		
40	South Carolina	12957.142857	129.950766	1.632835	270.823087	277.145177	1		
41	South Dakota	12866.666667	233.076264	4.393783	221.053686	236.301322	1		
42	Tennessee	14935.897436	188.489086	2.477166	308.265608	317.956041	1		
43	Texas	20032.500000	191.735999	1.620472	241.956991	131.429940	1		
44	Utah	8689.655172	171.871322	2.161600	256.920328	149.503587	1		
45	Vermont	9387.500000	22.924901	1.495219	578.073668	417.818113	1		
46	Virginia	14342.222222	341.175565	3.359140	259.315285	212.416893	1		
47	Washington	1500.888889	77.040533	2.512314	254.141756	207.575040	1		
48	Wisconsin	11175.757576	218.570277	2.035918	331.418369	354.045160	1		
49	Wyoming	12966.666667	82.653061	1.237130	169.483846	144.311484	1		
0	British Columbia	2038.356164	54.196028	NaN	125.303153	49.276915	1		
1	Alberta	5017.948718	226.402806	NaN	80.712166	44.655582	1		
2	Manitoba	5675.000000	20.346320	NaN	107.042254	68.337130	1		
3	Ontario	8100.970874	159.524091	NaN	77.005808	40.471311	1		
4	Quebec	61816.666667	178.734859	NaN	224.000000	101.157663	1		
5	New Brunswick	11600.000000	2.564103	NaN	55.016181	42.042042	1		
6	Prince Edward Island	2500.000000	3.846154	NaN	13.698630	13.513514	1		

