ProblemSet1_Cyan

February 14, 2024

author : Cyan Yong Ho JoPython : 3.9.18

```
[]: import os
  import subprocess
  import requests
  import pandas as pd
  from bs4 import BeautifulSoup
  from io import StringIO
  import matplotlib as mpl
  import matplotlib.pyplot as plt
  import numpy as np
  import matplotlib.ticker as ticker
  import re
```

• scrounge_requests() collects data from the web using requests package and stores data from each year in .html formal

```
[]: def scrounge_requests():
         dir resource = 'resources/'
         headers = {
             'User-Agent': 'Chrome/90.0.4430.212'
         }
         for year in range(2009, 2025):
             url = f'https://kenpom.com/index.php?y={year}'
             # Make the GET request to fetch the page's HTML, with headers
             response = requests.get(url, headers=headers)
             if response.status_code == 200:
                 file_path = os.path.join(dir_resource, f'{year}.html')
                 with open(file_path, 'w', encoding='utf-8') as file:
                     file.write(response.text)
                 print(f'Saved HTML content for year {year}')
             else:
                 print(f"Collection of stats in year {year} failed. Err: {response.
      ⇔status_code}")
```

```
print(response.text)
scrounge_requests()
Collection of stats in year 2009 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event:"feedback clicked",properties:{errorCode:1015,helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})})))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
```

```
<span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56a2d42b523 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:01 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56a2d42b523</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128</span>
```

```
<span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
 window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2010 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                 <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
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<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
```

```
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful: a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden"); document.addEventListener("DOMContentLoaded", function() {var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56b1c0db512 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:01 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
```

```
<div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56b1c0db512</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance & amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"), c=a.getElementById("cf-footer-ip-reveal"); b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
```

```
</script>
</body>
</html>
Collection of stats in year 2011 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]>
                <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
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<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
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survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful: a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"</pre>
```

```
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56c3da2568f •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark">-
antialiased" data-translate="what happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56c3da2568f</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
```

```
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128</span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance & amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"), c=a.getElementById("cf-footer-ip-reveal"); b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
 window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2012 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]>
               <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
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<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
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questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden"); document.addEventListener("DOMContentLoaded", function() {var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15"</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56d0aa7568e •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
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light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
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          </div>
      </section>
```

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    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56d0aa7568e</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance & amp;
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href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"), c=a.getElementById("cf-footer-ip-reveal"); b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
```

```
</script>
</body>
</html>
Collection of stats in year 2013 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify){var e=function(a){var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
```

```
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56e08af712e •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark">-
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56e08af712e</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
```

```
Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance & amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"), c=a.getElementById("cf-footer-ip-reveal"); b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
 window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2014 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
```

```
<script>
(function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&JSON.strings)\} (function()\{if(document.addEventListener\&\&window.XMLHttpRequest\&\&JSON\&\&window.XMLHttpRequest\&\&JSON\&\&window.XMLHttpRequest\&\&JSON\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttpRequest\&\&window.XMLHttp
ngify){var e=function(a){var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful: a,
version:1}};b.open("POST", "https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
    <div id="cf-wrapper">
        <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
        <div id="cf-error-details" class="p-0">
           <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
                 <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60</pre>
md:text-3xl text-black-dark leading-tight">
                     <span data-translate="error">Error</span>
                      <span>1015</span>
                  </h1>
                  <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56eec6956c9 •</span>
                 <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
                <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
           </header>
           <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
                    <div id="what-happened-section" class="w-1/2 md:w-full">
                        <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
                       The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
```

</div>

```
</section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56eec6956c9</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
```

```
<script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2015 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                 <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event:"feedback clicked",properties:{errorCode:1015,helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
```

```
<div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d56fac13b505 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d56fac13b505</strong></span>
```

```
<span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2016 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]> <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
```

```
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify){var e=function(a){var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d5706a6fb512 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
```

```
</section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d5706a6fb512</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/span class="hidden" id="cf-footer-ip">130.225.188.128
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
```

</div>

```
</div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2017 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
                  <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]>
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful: a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})})))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
```

```
<div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d571389056b5 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:02 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
```

```
<span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d571389056b5</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
 window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2018 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
```

```
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful:a,
version:1}};b.open("POST", "https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d571e9485693 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
```

<meta name="viewport" content="width=device-width,initial-scale=1" />

```
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
       Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer"</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d571e9485693</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128</span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
```

```
</div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2019 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
                 <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify){var e=function(a){var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful: a,
version:1}};b.open("POST", "https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})})))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
```

```
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d572a8297127 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
```

<div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-</pre>

```
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d572a8297127</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"), c=a.getElementById("cf-footer-ip-reveal"); b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
 window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2020 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                 <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
```

```
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event: "feedback clicked", properties: {errorCode: 1015, helpful: a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d573bcd156a2 •
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
```

```
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer"</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d573bcd156a2</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
```

```
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
 window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2021 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event:"feedback clicked",properties:{errorCode:1015,helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b. setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
```

```
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15"</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d5749c7b56c5 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
```

```
<div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d5749c7b56c5</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <g\>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2022 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
                 <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
```

```
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify){var e=function(a){var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event:"feedback clicked",properties:{errorCode:1015,helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))})})))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d5757ee4712a •
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
```

```
<div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark"</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer"</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer"</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d5757ee4712a</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
```

```
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2023 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]> <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify) {var e=function(a) {var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event:"feedback clicked",properties:{errorCode:1015,helpful:a,
version:1}};b.open("POST", "https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
```

```
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60</pre>
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d575febcb500 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
      <section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what_happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
        Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    </div>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
        Thank you for your feedback!
    </div>
</div>
```

```
<div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d575febcb500</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance & amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
Collection of stats in year 2024 failed. Err: 429
<!DOCTYPE html>
<!--[if lt IE 7]> <html class="no-js ie6 oldie" lang="en-US"> <![endif]-->
<!--[if IE 7]>
                 <html class="no-js ie7 oldie" lang="en-US"> <![endif]-->
<!--[if IE 8]>
                  <html class="no-js ie8 oldie" lang="en-US"> <![endif]-->
<!--[if gt IE 8]><!--> <html class="no-js" lang="en-US"> <!--<![endif]-->
```

```
<head>
<title>Access denied | kenpom.com used Cloudflare to restrict access</title>
<meta charset="UTF-8" />
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8" />
<meta http-equiv="X-UA-Compatible" content="IE=Edge" />
<meta name="robots" content="noindex, nofollow" />
<meta name="viewport" content="width=device-width,initial-scale=1" />
<link rel="stylesheet" id="cf_styles-css" href="/cdn-cgi/styles/main.css" />
<script>
(function(){if(document.addEventListener&&window.XMLHttpRequest&&JSON&&JSON.stri
ngify){var e=function(a){var c=document.getElementById("error-feedback-
survey"),d=document.getElementById("error-feedback-success"),b=new
XMLHttpRequest; a={event:"feedback clicked",properties:{errorCode:1015,helpful:a,
version:1}};b.open("POST","https://sparrow.cloudflare.com/api/v1/event");b.setRe
questHeader("Content-Type", "application/json"); b.setRequestHeader("Sparrow-
Source-Key", "c771f0e4b54944bebf4261d44bd79a1e");
b.send(JSON.stringify(a));c.classList.add("feedback-
hidden");d.classList.remove("feedback-
hidden")};document.addEventListener("DOMContentLoaded",function(){var
a=document.getElementById("error-feedback"),c=document.getElementById("feedback-
button-yes"),d=document.getElementById("feedback-button-no");"classList"in
a&&(a.classList.remove("feedback-hidden"),c.addEventListener("click",function(){
e(!0)}),d.addEventListener("click",function(){e(!1)}))}))))));
</script>
<script defer src="https://performance.radar.cloudflare.com/beacon.js"></script>
</head>
<body>
  <div id="cf-wrapper">
    <div class="cf-alert cf-alert-error cf-cookie-error hidden" id="cookie-</pre>
alert" data-translate="enable_cookies">Please enable cookies.</div>
    <div id="cf-error-details" class="p-0">
      <header class="mx-auto pt-10 lg:pt-6 lg:px-8 w-240 lg:w-full mb-15</pre>
antialiased">
         <h1 class="inline-block md:block mr-2 md:mb-2 font-light text-60"
md:text-3xl text-black-dark leading-tight">
           <span data-translate="error">Error</span>
           <span>1015</span>
         </h1>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">Ray ID: 8554d5768d5656b7 •</span>
         <span class="inline-block md:block heading-ray-id font-mono text-15</pre>
lg:text-sm lg:leading-relaxed">2024-02-14 11:05:03 UTC</span>
        <h2 class="text-gray-600 leading-1.3 text-3xl lg:text-2xl font-</pre>
light">You are being rate limited</h2>
      </header>
```

```
<section class="w-240 lg:w-full mx-auto mb-8 lg:px-8">
          <div id="what-happened-section" class="w-1/2 md:w-full">
            <h2 class="text-3xl leading-tight font-normal mb-4 text-black-dark</pre>
antialiased" data-translate="what happened">What happened?</h2>
            The owner of this website (kenpom.com) has banned you temporarily
from accessing this website.
          </div>
      </section>
      <div class="feedback-hidden py-8 text-center" id="error-feedback">
    <div id="error-feedback-survey" class="footer-line-wrapper">
       Was this page helpful?
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-yes" type="button">Yes</button>
        <button class="border border-solid bg-white cf-button cursor-pointer</pre>
ml-4 px-4 py-2 rounded" id="feedback-button-no" type="button">No</button>
    <div class="feedback-success feedback-hidden" id="error-feedback-success">
       Thank you for your feedback!
    </div>
</div>
      <div class="cf-error-footer cf-wrapper w-240 lg:w-full py-10 sm:py-4</pre>
sm:px-8 mx-auto text-center sm:text-left border-solid border-0 border-t border-
gray-300">
  <span class="cf-footer-item sm:block sm:mb-1">Cloudflare Ray ID: <strong</pre>
class="font-semibold">8554d5768d5656b7</strong></span>
    <span class="cf-footer-separator sm:hidden">&bull;</span>
    <span id="cf-footer-item-ip" class="cf-footer-item hidden sm:block sm:mb-1">
      Your IP:
      <button type="button" id="cf-footer-ip-reveal" class="cf-footer-ip-reveal-</pre>
btn">Click to reveal</button>
      <span class="hidden" id="cf-footer-ip">130.225.188.128/span>
      <span class="cf-footer-separator sm:hidden">&bull;</span>
    </span>
    <span class="cf-footer-item sm:block sm:mb-1"><span>Performance &amp;
security by</span> <a rel="noopener noreferrer"</pre>
href="https://www.cloudflare.com/5xx-error-landing" id="brand_link"
target="_blank">Cloudflare</a></span>
  <script>(function(){function d(){var b=a.getElementById("cf-footer-item-
```

```
ip"),c=a.getElementById("cf-footer-ip-reveal");b&&"classList"in b&&(b.classList.
remove("hidden"),c.addEventListener("click",function(){c.classList.add("hidden")
;a.getElementById("cf-footer-ip").classList.remove("hidden")}))}var a=document;d
ocument.addEventListener&&a.addEventListener("DOMContentLoaded",d)})();</script>
</div><!-- /.error-footer -->
    </div><!-- /#cf-error-details -->
  </div><!-- /#cf-wrapper -->
  <script>
  window._cf_translation = {};
</script>
</body>
</html>
  • scrounge() collects data from running scrounge.js with node
  • scrounge.js looks like this:
const fs = require('fs');
const fetch = require('node-fetch');
const path = require('path');
const dirResource = 'resources/';
const headers = {
    'User-Agent': 'Chrome/90.0.4430.212'
};
const scrounge = async () => {
    for (let year = 2009; year < 2025; year++) {
        let url = `https://kenpom.com/index.php?y=${year}`;
        if (year === 2024) {
            url = 'https://kenpom.com/';
        }
        try {
            const response = await fetch(url, { headers: headers });
            if (response.ok) {
                const text = await response.text();
                const filePath = path.join(dirResource, `${year}.html`);
```

```
// Ensure the directory exists
                    fs.mkdirSync(dirResource, { recursive: true });
                    fs.writeFileSync(filePath, text, 'utf-8');
                    console.log(`Saved HTML content for year ${year}`);
                } else {
                    console.log(`Collection of stats in year ${year} failed. Err: ${response.statu.}
            } catch (error) {
                console.error(`Error fetching data for year ${year}:`, error);
            }
        }
    };
    scrounge();
[]: def scrounge():
         script_path = './scrounge.js'
         # Running the Node.js script using subprocess.run
         try:
             result = subprocess.run(['node', script_path], check=True,_
      ⇔capture_output=True, text=True)
             print("Script output:", result.stdout)
         except subprocess.CalledProcessError as e:
             print("Error running script:", e.stderr)
     scrounge()
    Script output: Collection of stats in year 2009 failed. Err: 429
    Collection of stats in year 2010 failed. Err: 429
    Collection of stats in year 2011 failed. Err: 429
    Collection of stats in year 2012 failed. Err: 429
    Collection of stats in year 2013 failed. Err: 429
    Collection of stats in year 2014 failed. Err: 429
    Collection of stats in year 2015 failed. Err: 429
    Collection of stats in year 2016 failed. Err: 429
    Collection of stats in year 2017 failed. Err: 429
    Collection of stats in year 2018 failed. Err: 429
    Collection of stats in year 2019 failed. Err: 429
    Collection of stats in year 2020 failed. Err: 429
    Collection of stats in year 2021 failed. Err: 429
    Collection of stats in year 2022 failed. Err: 429
    Collection of stats in year 2023 failed. Err: 429
```

• check2014 is for investigation of a single dataframe extracted from .html file.

Saved HTML content for year 2024

• used for testing purpose NOT for mainstream data pipeline

```
[]: def check2014():
        HEADER =
      ⇔['Rk','Team','Conf','W','L','AdjEM','AdjO','AdjO_enh','AdjD','AdjD_enh','AdjT','AdjT_enh','
      with open('resources/2014.html', 'r') as file:
            html_content = file.read()
            soup = BeautifulSoup(html_content, 'html.parser')
            table = soup.find('table')
            table_html = StringIO(str(table))
            df = pd.read_html(table_html)[0]
            df.columns = [col[-1] for col in df.columns]
            df[['W', 'L']] = df['W-L'].str.split('-', expand=True)
            df.drop('W-L', axis=1, inplace=True)
            conf_index = df.columns.get_loc('Conf') + 1
            df.insert(conf_index, 'W', df.pop('W'))
            df.insert(conf_index + 1, 'L', df.pop('L'))
            df.columns = HEADER
            for col in df.columns:
                if col not in ['Team', 'Conf']:
                    df[col] = pd.to_numeric(df[col], errors='coerce')
            df['Team'] = df['Team'].str.replace(r'\s+\d+$', '', regex=True)
            print(df['Team'])
    check2014()
```

```
0
                    Louisville
1
                       Arizona
2
                       Florida
3
                      Virginia
4
                     Wisconsin
362
       Mississippi Valley St.
363
            Abilene Christian
                 Presbyterian
364
                 Grambling St.
365
                 Southern Utah
366
Name: Team, Length: 367, dtype: object
```

- processHTMLS() parses the .html files to pandas DataFrame
- Each data from each year is stored in a dictionary: dataframes

```
[]: def processHTMLS():
       dataframes = {}
       HEADER =
     for year in range(2009, 2025):
           file_path = f'resources/{year}.html'
           with open(file_path, 'r') as file:
               html_content = file.read()
           soup = BeautifulSoup(html_content, 'html.parser')
           table = soup.find('table')
           table_html = StringIO(str(table))
           df = pd.read_html(table_html)[0]
           df.columns = [col[-1] for col in df.columns]
           df[['W', 'L']] = df['W-L'].str.split('-', expand=True)
           df.drop('W-L', axis=1, inplace=True)
           conf_index = df.columns.get_loc('Conf') + 1
           df.insert(conf_index, 'W', df.pop('W'))
           df.insert(conf_index + 1, 'L', df.pop('L'))
           df.columns = HEADER
           for col in df.columns:
               if col not in ['Team', 'Conf']:
                  df[col] = pd.to_numeric(df[col], errors='coerce')
           df['Team'] = df['Team'].str.replace(r'\s+\d+$', '', regex=True)
           dataframes[str(year)] = df
       return dataframes
    dfs = processHTMLS()
```

• setMplParam(): is customisation for Matplotlib

```
MARKER_EFF = MARKER[:classNum]
   plt.rcParams['axes.prop_cycle'] = (plt.cycler(color=COLOUR_EFF) +
                                        plt.cycler(linestyle=LINE_EFF) +
                                        plt.cycler(marker=MARKER_EFF))
   plt.rcParams['lines.markersize'] = 10 # Example size
   plt.rcParams['lines.linewidth'] = 3 # Example width
   plt.rcParams['axes.labelsize'] = 20
   plt.rcParams['axes.titlesize'] = 20
   plt.rcParams['xtick.direction'] = 'in'
   plt.rcParams['xtick.labelsize'] = 20
   plt.rcParams['ytick.direction'] = 'in'
   plt.rcParams['ytick.labelsize'] = 20
   plt.rcParams['legend.fontsize'] = 12
   plt.rcParams['axes.grid'] = True
   plt.rcParams['grid.alpha'] = 0.8
   plt.rcParams['grid.linestyle'] = '--'
   plt.rcParams['grid.linewidth'] = 1
   mpl.rcParams['axes.linewidth'] = 2
   mpl.rcParams['xtick.major.size'] = 7
   mpl.rcParams['xtick.major.width'] = 3
   mpl.rcParams['xtick.minor.size'] = 2
   mpl.rcParams['xtick.minor.width'] = 2
   mpl.rcParams['ytick.major.size'] = 7
   mpl.rcParams['ytick.major.width'] = 3
   mpl.rcParams['ytick.minor.size'] = 2
   mpl.rcParams['ytick.minor.width'] = 2
# setMplParam(6)
```

```
[]: conferences_5 = ['ACC', 'SEC', 'B10', 'BSky', 'A10'] conferences_6 = ['ACC', 'SEC', 'B10', 'BSky', 'A10', 'BE']
```

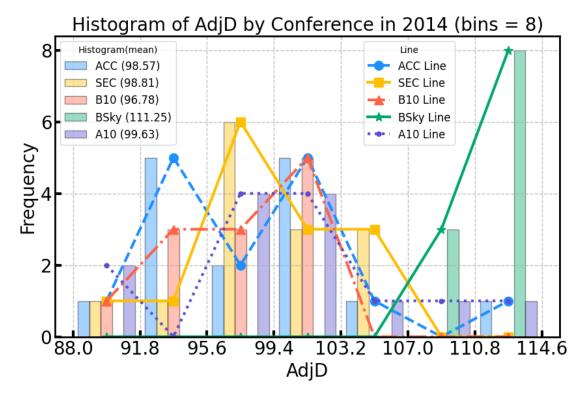
$1 \quad \mathbf{Ex1}$

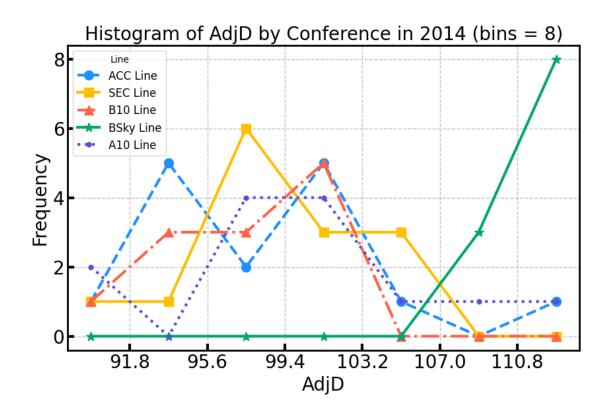
```
all_data = [df14_conf[conf] for conf in conferences]
  global_min = min([min(AdjD) for AdjD in all_data])
  global_max = max([max(AdjD) for AdjD in all_data])
  num_bins = 8
  bar width = 0.85
  bins = np.linspace(global_min, global_max, num_bins)
  setMplParam(len(conferences)) # Assuming this is a custom function to set_
→matplotlib parameters
  fig, ax = plt.subplots(figsize=(10, 6))
  if isBar:
      # Plotting the bars
      hist_labels = [f'{conf} ({df14_conf[conf].mean():.2f})' for conf inu
⇔conferences]
      ax.hist(all_data, bins=bins, alpha=0.4, label=hist_labels,__
⇔histtype='bar', rwidth=bar_width, edgecolor='black', linewidth=1)
  if isBoth or not isBar:
      # Plotting lines for each conference
      line_labels = [f'{conf}' for conf in conferences]
      for AdjD, conf in zip(all_data, conferences):
          hist_values, _ = np.histogram(AdjD, bins=bins)
          bin centers = 0.5 * (bins[:-1] + bins[1:])
          ax.plot(bin_centers, hist_values, label=f'{conf} Line')
  # Handling legends
  if isBar:
      # If bars are plotted, manage legends for both bars and lines separately
      handles, labels = ax.get_legend_handles_labels()
      hist_handles, line_handles = handles[:len(conferences)],_
⇔handles[len(conferences):]
      hist_labels, line_labels = labels[:len(conferences)],
⇔labels[len(conferences):]
      legend_line = ax.legend(line_handles, line_labels, loc='upper left',u
stitle='Line', ncol=1, bbox_to_anchor=(0.6, 1))
      ax.legend(hist_handles, hist_labels, loc='upper left', u
→title='Histogram(mean)', ncol=1)
      ax.add_artist(legend_line)
  else:
      # If only lines are plotted, a single legend is sufficient
      ax.legend(loc='upper left', title='Line', ncol=1)
```

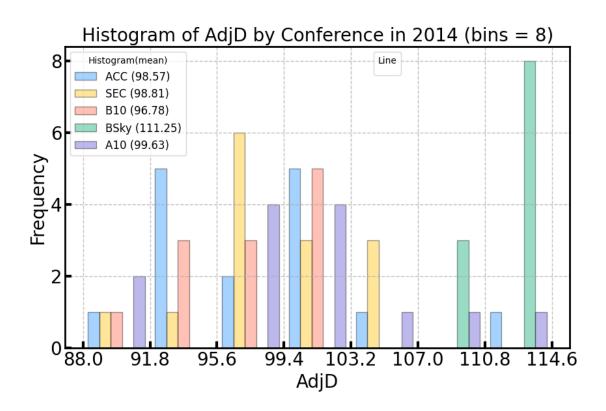
```
ax.set_title(f'Histogram of AdjD by Conference in 2014 (bins = {num_bins})')
ax.set_xlabel('AdjD')
ax.set_ylabel('Frequency')
ax.xaxis.set_major_locator(ticker.FixedLocator(bins))

plt.show()

stats2014_bar(conferences_5, isBar=True)
stats2014_bar(conferences_5, isBar=False)
stats2014_bar(conferences_5, isBar=True, isBoth=False)
```







2 Ex2

- adj0_kernel collects Adj0 from two dataframes and stores them in a dictionary having keys
 of input conferences
- only includes teams whose data existing in both years

```
def adj0_kernel(df1, df2, conferences):
    adj0_diffs = {}
    adj0_team_1 = {}

for conf in conferences:
    df1_conf_teams = df1[df1['Conf'] == conf].set_index('Team')['Adj0']
    df2_conf_teams = df2[df2['Conf'] == conf].set_index('Team')['Adj0']

    common_teams = df1_conf_teams.index.intersection(df2_conf_teams.index)
    diff = df2_conf_teams.loc[common_teams] - df1_conf_teams.

cloc[common_teams]
    adj0_diffs[conf] = diff
    adj0_team_1[conf] = df1_conf_teams[common_teams]
    return adj0_diffs, adj0_team_1
```

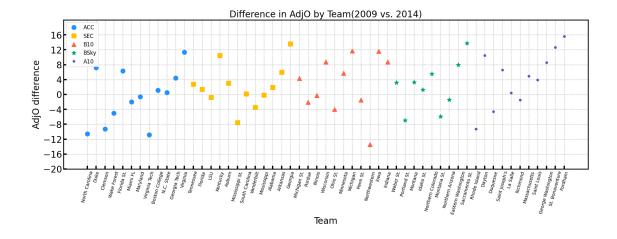
• plot_2009_2014_teams plots the difference in AdjO by team

```
def plot_2009_2014_teams(conferences):
    adj0_diffs, _ = adj0_kernel(dfs['2009'], dfs['2014'], conferences)

    setMplParam(len(conferences))
    fig, ax = plt.subplots(figsize=(21, 6))
    for conf in conferences:
        diff = adj0_diffs[conf].dropna()
        ax.plot(diff.index, diff.values, label=conf, linestyle = '')

ax.set_xlabel('Team')
    ax.set_ylabel('Adj0 difference')
    ax.set_title('Difference in Adj0 by Team(2009 vs. 2014)')
    END = 20
    ax.set_yticks(np.arange(-END, END, 4))
    ax.set_ylim((-END, END))
    ax.legend()
    plt.xticks(rotation=75, fontsize=10)

plot_2009_2014_teams(conferences_5)
```



• plot_2009_2014 plots the difference in AdjO between 2009 and 2014 by team versus the value of Adjo in 2009

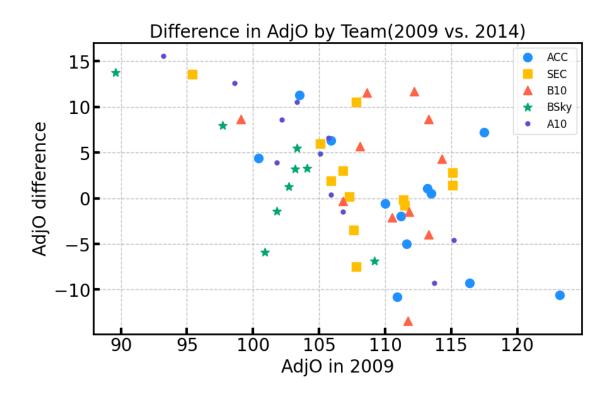
```
def plot_2009_2014(conferences):
    adj0_diffs, adj0_09 = adj0_kernel(dfs['2009'], dfs['2014'], conferences)

    setMplParam(len(conferences))

    fig, ax = plt.subplots(figsize=(10, 6))
    for i, conf in enumerate(conferences):
        ax.plot(adj0_09[conf], adj0_diffs[conf], label=conf, linestyle = '')

    ax.set_xlabel('Adj0 in 2009')
    ax.set_ylabel('Adj0 difference')
    ax.set_title('Difference in Adj0 by Team(2009 vs. 2014)')
    ax.legend()

plot_2009_2014(conferences_5)
```



• stats2009_2014 gets the stats of difference in AdjO from data of 2009 and 2014

```
def stats2009_2014(conferences):
    df09 = dfs['2009']
    df14 = dfs['2014']
    adj0_diffs, _ = adj0_kernel(df09, df14, conferences)

for conf in conferences:
    print('----'+conf+'------')
    print(f'&mean & {adj0_diffs[conf].mean():.3f}')
    print(f'&median & {adj0_diffs[conf].median():.3f}')

condition_others_09 = ~df09['Conf'].isin(conferences)
    df09_others = df09[condition_others_09].set_index('Team')['Adj0']

condition_others_14 = ~df14['Conf'].isin(conferences)
    df14_others = df14[condition_others_14].set_index('Team')['Adj0']

common_others = df09_others.index.intersection(df14_others.index)

adj0_diffs_others = df14_others.loc[common_others] - df09_others.
d-loc[common_others]
```

```
print('----others-------')
print(f'&mean & {adj0_diffs_others.mean():.3f}')
print(f'&median & {adj0_diffs_others.median():.3f}')

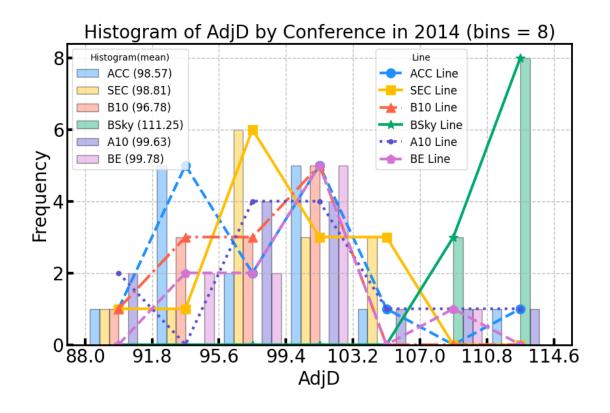
stats2009_2014(conferences_5)
```

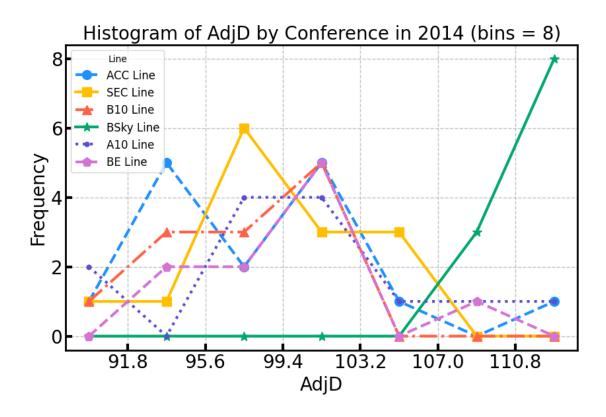
```
----ACC-----
&mean & -0.625
median \& -0.050
----SEC-----
&mean & 2.283
&median & 1.650
----B10-----
&mean & 2.673
&median & 4.300
----BSky-----
&mean & 2.322
&median & 3.200
----A10-----
&mean & 4.336
&median & 4.900
----others-----
&mean & 2.595
&median & 1.900
```

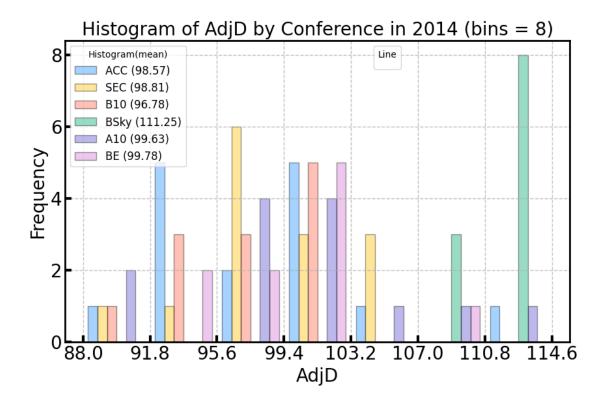
3 Ex3

```
[]: # repeat Ex1
stats2014_bar(conferences_6, isBar=True)
stats2014_bar(conferences_6, isBar=False)
stats2014_bar(conferences_6, isBar=True, isBoth=False)

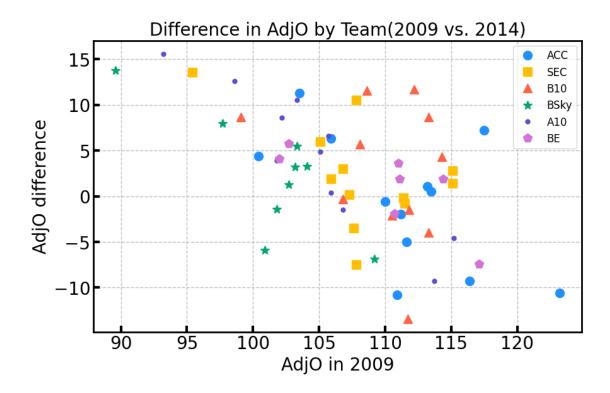
# repeat Ex2
plot_2009_2014(conferences_6)
stats2009_2014(conferences_6)
```







| ACC- | | |
|------------------|---|--------|
| &mean | & | -0.625 |
| &median | & | -0.050 |
| SEC- | | |
| &mean | & | 2.283 |
| ${\tt \&median}$ | & | 1.650 |
| B10- | | |
| &mean | & | 2.673 |
| &median | & | 4.300 |
| BSky | | |
| &mean | & | 2.322 |
| &median | & | 3.200 |
| A10- | | |
| &mean | & | 4.336 |
| &median | & | 4.900 |
| BE | | |
| &mean | & | 1.143 |
| &median | & | 1.900 |
| others | | |
| &mean | & | 2.624 |
| &median | & | 1.850 |



4 Ex4

 $\bullet \ \, {\tt process0} {\tt utput} \ \, {\tt processes} \ \, {\tt output.txt} \ \, {\tt to} \ \, {\tt generate} \ \, {\tt processed_output.txt} \\$

```
if not line.endswith(',') and i < len(lines) - 1:</pre>
          next_line = lines[i + 1].strip()
           if next_line and next_line != ',':
               line += " " + next_line
               i += 1 # Skip the next line since it's concatenated
      processed_lines.append(line)
      i += 1
   # Remove empty lines and lines starting with "AND" after removing contents \Box
→in parentheses
  final_lines = [re.sub(r'^AND\s|\(.*?\)', '', line).strip() for line in_
⇔processed_lines if line and not line.startswith('AND(')]
  final_lines = [line for line in final_lines if line] # Remove any empty_
→lines resulted from previous step
  # Save the processed lines to the output file
  with open(output, 'w', encoding='utf-8') as file:
      file.write('\n'.join(final_lines))
```

• findMiddle finds the middle name

```
def findMiddle(file_path):
    # Read the content of the file
    with open(file_path, 'r', encoding='utf-8') as file:
        lines = file.readlines()

# Extract names, assuming each name ends with a comma
    names = [line.strip().rstrip(',') for line in lines if line.strip().
    dendswith(',')]

# Sort the names alphabetically
    sorted_names = sorted(names)

# Find the middle name
    middle_name_index = len(sorted_names) // 2
    middle_name = sorted_names[middle_name_index]

return middle_name
```

```
[]: def readPDF():
    input = 'resources/output.txt'
    output = 'resources/processed_output.txt'
    processOutput(input, output)
    middle_name = findMiddle(output)
    print(middle_name)
    readPDF()
```

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