avg draw gap = (sum(drawgap) - last drawgap) / no of numbers

draw no = 4919 + avg draw gap

draw no - 5306 (latest draw)

**1st table**

* Sum up all values in the DrawGap column except the last row then divide by number of rows to get avg draw gap
* Take #4625 last 2nd row of DrawNo value and + avg draw gap

**2nd table**

Take the result – 5306 (latest draw) at From Latest DrawNo  
  
-22, -494, also have

import requests

import pandas as pd

from bs4 import BeautifulSoup

import re

def analyze\_4d(number: str):

"""Fetch 4D draw history and estimate next hit draw number."""

# --- Fetch and parse webpage ---

url = f"https://www.4dnumber.com/{number}"

soup = BeautifulSoup(requests.get(url).text, "html.parser")

# --- Extract table rows ---

rows = [

[td.get\_text(strip=True) for td in tr.find\_all("td")]

for tr in soup.select("table tr")[1:]

]

# --- Build DataFrame ---

df = pd.DataFrame(rows, columns=["No","Number","Prize","DrawID","DrawNo","Date","Day","Source","DrawGap"])

df["DrawGap"] = pd.to\_numeric(df["DrawGap"], errors="coerce")

df = df.dropna(subset=["DrawGap"]) # remove empty gaps

# --- Clean DrawNo values ---

df["DrawNo"] = df["DrawNo"].apply(lambda x: int(re.sub(r"\D", "", x)))

if len(df) < 2:

print(f"⚠️ Not enough data for {number}")

return None

# --- Core logic ---

avg\_gap = df["DrawGap"].iloc[:-1].mean()

second\_last = df["DrawNo"].iloc[-2]

latest = df["DrawNo"].iloc[-1]

est\_next = second\_last + avg\_gap

diff = est\_next - latest

# --- Output summary ---

result = {

"Number": number,

"AverageGap": round(avg\_gap, 2),

"SecondLastDrawNo": second\_last,

"LastDrawNo": latest,

"EstimatedNextDrawNo": round(est\_next, 2),

"DiffFromLatest": round(diff, 2),

}

print(result)

return result

# Example

analyze\_4d("1113")