*# Configuration*

$outputPath = "C:\Users\dsade\OneDrive\Desktop\Business\AI\xAI\X Election Tracker"

$dataFile = "$outputPath\sentiment\_data.json"

*# Function to get sentiment analysis for a topic*

function Get-SentimentAnalysis {

    param (

        [string]$topic

    )

    $headers = @{

        "Content-Type" = "application/json"

        "Authorization" = "Bearer xai-7RlN7T34iX7QWc4G5RqLc7ISb73zWN0mgygTekU2JcPtnW8raoqTgzJSitWqeRgBR5TThOdTKHIdzxop"

    }

    $body = @{

        messages = @(

            @{

                role = "system"

                content = "You are a real-time sentiment analyzer for X content. Provide a sentiment score from 0-100."

            }

            @{

                role = "user"

                content = "Analyze the current sentiment about $topic on X. Return only a number from 0-100 representing the positive sentiment percentage."

            }

        )

        model = "grok-beta"

        temperature = 0.3

    } | ConvertTo-Json -Depth 10

    $response = Invoke-RestMethod -Uri "https://api.x.ai/v1/chat/completions" -Method Post -Headers $headers -Body $body

    return $response.choices[0].message.content

}

*# Function to update the dashboard data*

function Update-Dashboard {

    Write-Host "Updating sentiment data..."

    $timestamp = Get-Date -Format "yyyy-MM-dd HH:mm"

    $trumpSentiment = Get-SentimentAnalysis "donald trump winning the election"

    $harrisSentiment = Get-SentimentAnalysis "kamala harris winning the election"

*# Load existing data or create new*

    if (Test-Path $dataFile) {

        $data = Get-Content $dataFile | ConvertFrom-Json

    } else {

        $data = @{

            timestamps = @()

            trumpSentiment = @()

            harrisSentiment = @()

        }

    }

*# Add new data points*

    $data.timestamps += $timestamp

    $data.trumpSentiment += $trumpSentiment

    $data.harrisSentiment += $harrisSentiment

*# Save updated data*

    $data | ConvertTo-Json | Set-Content $dataFile

    Write-Host "Data updated successfully!"

    Write-Host "Trump Sentiment: $trumpSentiment"

    Write-Host "Harris Sentiment: $harrisSentiment"

}

*# Run update*

Update-Dashboard