

APIs Documentation

Endpoint	Method	Description	Query Parameters	Response	Status Code
/fetching	GET	Fetches the latest data for bitcoin, matic-network, and ethereum from CoinGecko and stores it in the database.	N/A	200 OK: Successfully fetched and stored data. 500 Internal Server Error: Error while fetching data.	200 or 500
/crypto/stat	GET	Retrieves the latest statistics for a specific coin (Bitcoin, Matic Network, or Ethereum).	coin (Required): The coin to fetch stats for (bitcoin, matic-network, ethereum).	200 OK: Returns the latest data for the specified coin. 400 Bad Request: Invalid or missing coin query parameter. 404 Not Found: No data found. 500 Internal Server Error: Error fetching data.	200, 400, 404, 500
/crypto/deviation	GET	Calculates the standard deviation of the prices for a specified coin.	coin (Required): The coin to calculate the standard deviation for (bitcoin, matic-network, ethereum).	200 OK: Returns the standard deviation for the specified coin. 400 Bad Request: Invalid or missing coin query parameter. 404 Not Found: No data found. 500 Internal Server Error: Error calculating	200, 400, 404, 500

Endpoint	Method	Description	Query Parameters	Response	Status Code
/crypto/all	GET	Retrieves all available data for all coins in the database.	N/A	standard deviation.	
				200 OK: Returns all data for all coins in the database.	200,
				500 Internal	500