***Version 4***: Filters from first LLM is just category and dates to make as simple as possible.

***Version 5***: Creates full API url using documentation from two news sources.

***Version 6***: Gives a more detailed JSON of filters to build more specific API calls

Case 1 – “Summarize sports articles for me.”:

Version 4:

Get Filters Function:

Execution Time: 1.9331 Tokens Spent: 191

Gathering articles’ functions:

Execution Time: 0.5380

Invoking article’s function:

Execution Time: 12.8757 Tokens Spent: 4512

Total Execution Time: 16.4394 Total Tokens Spent: 4703

Version 5:

Get URLs Function:

Execution Time: 4.4681 Tokens Spent: 1507

Gathering articles’ functions:

Execution Time: 0.6128

Invoking article’s function:

Execution Time: 16.0796 Tokens Spent: 4268

Total Execution Time: 22.0811 Total Tokens Spent: 5775

Version 6:

Get Filters Function:

Execution Time: 2.0992 Tokens Spent: 472

Gathering articles’ functions:

Execution Time: 0.6230

Invoking article’s function:

Execution Time: 12.2473 Tokens Spent: 4085

Total Execution Time: 15.6892 Total Tokens Spent: 4557

Case 2 – “what is the headlines for video games news?”

Version 4:

Get Filters Function:

Execution Time: 1.4110 Tokens Spent: 192

Gathering articles’ functions:

Execution Time: 0.5463

Invoking article’s function:

Execution Time: 4.1619 Tokens Spent: 3548

Total Execution Time: 7.0031 Total Tokens Spent: 3740

Version 5:

Get URLs Function:

Execution Time: 5.2450 Tokens Spent: 1518

Gathering articles’ functions:

Execution Time: 0.5173

Invoking article’s function:

Execution Time: 7.1961 Tokens Spent: 1448

Total Execution Time: 13.0811 Total Tokens Spent: 2966

Version 6:

Get Filters Function:

Execution Time: 2.2579 Tokens Spent: 479

Gathering articles’ functions:

Execution Time: 0.5012

Invoking article’s function:

Execution Time: 3.7859 Tokens Spent: 1497

Total Execution Time: 7.1257 Total Tokens Spent: 1976

Case 3 – “Have there been any incidents in Russia?”

Version 4:

Get Filters Function:

Execution Time: 3.7409 Tokens Spent: 192

Gathering articles’ functions:

Execution Time: 1.3053

Invoking article’s function:

Execution Time: 4.8631 Tokens Spent: 5172

Total Execution Time: 10.5653 Total Tokens Spent: 5364

Version 5:

Get URLs Function:

Execution Time: 7.2356 Tokens Spent: 1522

Gathering articles’ functions:

Execution Time: 0.5966

Invoking article’s function:

Execution Time: 1.4383 Tokens Spent: 1477

Total Execution Time: 9.9373 Total Tokens Spent: 2999

Version 6:

Get Filters Function:

Execution Time: 1.9525 Tokens Spent: 475

Gathering articles’ functions:

Execution Time: 0.7881

Invoking article’s function:

Execution Time: 2.2072 Tokens Spent: 1960

Total Execution Time: 5.6598 Total Tokens Spent: 2435