

GET ibm_siw_2017_v1

IBM Summary Income and W2 API

Resource URL

Test Server

http://api-test.powerlytics.com/ibm_siw_2017_v1

Resource Information

API version	1
Data source	Consumer
Geography fixed?	No
Size class fixed?	No
Organization type	N/A
Response format	JSON
Authentication required?	API Key

Fixed Parameters

These parameters and values are provided for informational purposes and my not be changed.

Name	Type	Depends On	Values		
year Fixed	Array of Ints		Dependent Value	Default Value	Valid Value(s)
				2017	2017
geocol Fixed	String		Dependent Value	Default Value	Valid Value(s)
				zip9	zip9

Settable Parameters

URL query parameters that are set for each API call.

Name	Type	Depends On	Values		
key Required	String		vhoEtVPUwD8h0O0fzP-K2w		
geoin required	Array of Strings	geocol	Dependent Value	Default Value	Valid Value(s)
			zip9	None	A single zip9 in the format 000000000.

NOTE:

For parameters that accept an array of values, the array is specified as a comma separated list of values enclosed in quotes. Quotes should be used even if a single value is being supplied.

JSON Result Details

'response' object attributes

data_type:

Type of data used for this API call. Either '*consumer*' or '*business*'

data_level:

Indicates the level of the Geography used in the results. When 'data rollup' occurs because insufficient data was available for the specified geography value(s), the data_level attribute specifies the geographic output level of the JSON results.

For example the following JSON, { "data_level": "county" }, would be interpreted to mean that the geographic level of the data is at the county level.

The following table lists the possible values for the data_level value string:

Geographic Values
county
msa
state
us
zipcode
zip_plus_4, zip9

NOTE:

Any combination of geographic and industry values may be returned in the data_level field value.

Example Request

Test Server

[http://api-test.powerlytics.com/ibm_siw_2017_v1?key=\[your key here\]&geoin=085401050](http://api-test.powerlytics.com/ibm_siw_2017_v1?key=[your key here]&geoin=085401050)

Example Request JSON Result

```
{
  "report_results": {
    "name": "ibm_siw_2017_v1",
    "version": "1",
    "inputs": {
      "geoin": "085401050"
    },
    "response": {
      "data_type": "inc_score",
      "data_level": "zip9",
      "response_records": [
        {
          "taxyear": 2017,
          "geography": [
            {
              "zipcode": "08540",
```

"cluster": "085401050",
"zip_plus_4": "1050",
"no_z4": 0,
"county_name": "Mercer County",
"msa_name": "Trenton, NJ Metro Area",
"state_name": "New Jersey",
"state_abbr": "NJ",
"division": "Middle Atlantic Division",
"region": "Northeast Region",
"num_z4s_in_cluster": 4,
"number_of_returns_in_cluster": 12,
"cluster_total_household_income_excluding_schedule_e": "4750.967",
"avg_household_income_excluding_schedule_e": "395.9139",
"adult_avg_household_income_excluding_schedule_e": "237.5484",
"cluster_total_wages_salaries_tips_w2": "3171.2129",
"avg_wages_salaries_tips_w2": "264.2677",
"adult_avg_wages_salaries_tips_w2": "158.5606",
"cluster_total_business_income_or_loss": "372.566",
"avg_business_income_or_loss": "31.0472",
"adult_avg_business_income_or_loss": "18.6283",
"cluster_total_retirement_income": "753.966",

"avg_retirement_income": "62.8305",
"adult_avg_retirement_income": "37.6983",
"cluster_total_disposable_income": "2914.0269",
"avg_disposable_income": "242.8356",
"adult_avg_disposable_income": "145.7013",
"cluster_total_schedule_e_income": "1179.515",
"avg_schedule_e_income": "98.2929",
"adult_avg_schedule_e_income": "58.9758",
"cluster_total_wealth_income": "3990.308",
"avg_wealth_income": "332.5257",
"adult_avg_wealth_income": "199.5154",
"cluster_total_non_wage_income": "1524.2831",
"avg_non_wage_income": "127.0236",
"adult_avg_non_wage_income": "76.2142",
"cluster_total_household_income_including_schedule_e": "5930.482",
"avg_household_income_including_schedule_e": "494.2068",
"adult_avg_household_income_including_schedule_e": "296.5241",
"cluster_standard_deviation_of_household_income": "85.246",
"cluster_median_household_income": "280.75",
"cluster_maximum_household_income": "418.24",
"cluster_minimum_household_income": "65.898"

```
}  
]  
}  
]  
}  
}  
}
```

Request Errors

When API requests fail, an HTTP error code with a json data block in the response body is returned.

HTTP Error 400 - Bad Request

Cause

One or more api call parameters are either missing or invalid.

Example JSON Response Body

```
{  
  "api_name": "ibm_siw_2017_v1",  
  "version": 1,  
  "msg": "Parameter error(s)",  
  "errors": [  
    {
```

```
"name": "geoin",  
"status": "missing",  
"detail": "required"  
}  
]  
}
```

HTTP Error 401 - Unauthorized

Cause

The supplied API Key is invalid for the API call.

Example JSON Response Body

```
{  
  "status": "Invalid API key."  
}
```

HTTP Error 404 - Not Found

Cause

The api name specified in the URL could not be found.

Example JSON Response Body

```
{  
  "status": "API not found"  
}
```

HTTP Error 500 - Server Error

Cause

An unexpected server error has occurred. Report this error to Powerlytics support.

Example JSON Response Body

```
{ "status": "Error 500 - Unexpected server error" }
```

HTTP Error 503 - Service Temporarily Unavailable

Cause

- API call rate has exceed the maximum of 1 call per second per IP address. Wait 1 minute before making another API call. Then, insure that the call rate for the IP address does not exceed 1 call per second.
- All API servers are busy and could not respond in time. This case should be reported to Powerlytics support.

NOTE: *No JSON data is returned for this error.*

Line Items Returned:

Name	Type	Scale
Wages, salaries, tips (W2)	Dollars	1000
Household income Excluding Schedule E	Dollars	1000
Business income or (loss)	Dollars	1000
Retirement income	Dollars	1000
Disposable Income	Dollars	1000
Schedule E Income	Dollars	1000
Wealth income	Dollars	1000
Non Wage Income	Dollars	1000
Household Income Including Schedule E	Dollars	1000
Standard Deviation of Household income	Dollars	1000

Median household income	Dollars	1000
Maximum household income	Dollars	1000
Minimum household income	Dollars	1000
