**Field parameters**

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This page links to all of the LookML parameters that define fields.

There are several types of fields:

* **Dimensions** represent a column in a table, or a computed value based on some sort of column manipulation or combination
* **Dimension Groups** are only used with time-based data, and enable you to create many time-based dimensions at one time
* **Measures** are similar to aggregate functions in SQL (for example, COUNT, SUM, AVG) and represent information about multiple rows
* **Filters** create a filter-only field users can use to provide input to a [templated filter](https://cloud.google.com/looker/docs/templated-filters) or a [conditional join](https://cloud.google.com/looker/docs/reference/param-explore-join-sql-on#conditional_joins)
* **Parameters** create a filter-only field users can use to provide input to a [Liquid {% parameter %} tag](https://cloud.google.com/looker/docs/liquid-variable-reference)

**Example usage**

*Hover over a parameter name to see a quick description; click it to jump to that page.  
When a parameter can be set to one of several specific options, the default value is listed first.*

## STRUCTURAL PARAMETERS  
[view](https://cloud.google.com/looker/docs/reference/param-view-view): view\_name {  
  ([dimension](https://cloud.google.com/looker/docs/reference/param-field-dimension) | [dimension\_group](https://cloud.google.com/looker/docs/reference/param-field-dimension-group) | [measure](https://cloud.google.com/looker/docs/reference/param-field-measure) | [filter](https://cloud.google.com/looker/docs/reference/param-field-filter) | [parameter](https://cloud.google.com/looker/docs/reference/param-field-parameter)): field\_name {  
    [intervals](https://cloud.google.com/looker/docs/reference/param-field-dimension-group#intervals): [interval, interval, …]  
    [timeframes](https://cloud.google.com/looker/docs/reference/param-field-dimension-group#timeframes): [timeframe, timeframe, …]  
  
    # ACTION AND LINKING PARAMETERS  
    [action](https://cloud.google.com/looker/docs/reference/param-field-action): {  
      [label](https://cloud.google.com/looker/docs/reference/param-field-action): "Label to Appear in Action Menu"  
      [url](https://cloud.google.com/looker/docs/reference/param-field-action): "url"  
      [icon\_url](https://cloud.google.com/looker/docs/reference/param-field-action): "url"  
      [form\_url](https://cloud.google.com/looker/docs/reference/param-field-action): "url"  
      [param](https://cloud.google.com/looker/docs/reference/param-field-action): {  
        [name](https://cloud.google.com/looker/docs/reference/param-field-action): "name string"  
        [value](https://cloud.google.com/looker/docs/reference/param-field-action): "value string"  
      }  
      # Possibly more param definitions  
      [form\_param](https://cloud.google.com/looker/docs/reference/param-field-action): {  
        [name](https://cloud.google.com/looker/docs/reference/param-field-action): "title"  
        [type](https://cloud.google.com/looker/docs/reference/param-field-action): select | string | textarea  
        [label](https://cloud.google.com/looker/docs/reference/param-field-action): "desired label name"  
        [required](https://cloud.google.com/looker/docs/reference/param-field-action): yes | no  
        [default](https://cloud.google.com/looker/docs/reference/param-field-action): "value string"  
        [option](https://cloud.google.com/looker/docs/reference/param-field-action): {  
          [name](https://cloud.google.com/looker/docs/reference/param-field-action): "name string"  
          [value](https://cloud.google.com/looker/docs/reference/param-field-action): "value string"  
        }  
        # Possibly more option definitions  
      }  
      # Possibly more form\_param definitions  
    }  
    [drill\_fields](https://cloud.google.com/looker/docs/reference/param-field-drill-fields): [field\_or\_set, field\_or\_set, ...]  
    [tags](https://cloud.google.com/looker/docs/reference/param-field-tags): ["string1", "string2", ...]  
    [link](https://cloud.google.com/looker/docs/reference/param-field-link): {  
      [label](https://cloud.google.com/looker/docs/reference/param-field-link): "desired label name;"  
      [url](https://cloud.google.com/looker/docs/reference/param-field-link): "desired\_url"  
      [icon\_url](https://cloud.google.com/looker/docs/reference/param-field-link) : "url\_of\_an\_image\_file"  
    }  
    # Possibly more link definitions  
  
    # DISPLAY PARAMETERS  
    [alias](https://cloud.google.com/looker/docs/reference/param-field-alias): [old\_field\_name, old\_field\_name, ...]  
    [alpha\_sort](https://cloud.google.com/looker/docs/reference/param-field-case" \l "alpha_sort): yes | no  
    [description](https://cloud.google.com/looker/docs/reference/param-field-description): "description string"  
    [group\_label](https://cloud.google.com/looker/docs/reference/param-field-group-label): "desired group label name"  
    [group\_item\_label](https://cloud.google.com/looker/docs/reference/param-field-group-item-label): "label to use under the group label in the field picker"  
    [hidden](https://cloud.google.com/looker/docs/reference/param-field-hidden): yes | no  
    [label](https://cloud.google.com/looker/docs/reference/param-field-label): "desired label name"  
    [label\_from\_parameter](https://cloud.google.com/looker/docs/reference/param-field-label-from-parameter): parameter\_name  
    [order\_by\_field](https://cloud.google.com/looker/docs/reference/param-field-order-by-field): dimension\_name | dimension\_group\_name | measure\_name  
    [style](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#style): classic | interval | integer | relational  
    [view\_label](https://cloud.google.com/looker/docs/reference/param-field-view-label): "desired label name"  
  
    # FILTER PARAMETERS  
    [can\_filter](https://cloud.google.com/looker/docs/reference/param-field-can-filter): yes | no  
    [case\_sensitive](https://cloud.google.com/looker/docs/reference/param-field-case-sensitive): yes | no  
    [filters](https://cloud.google.com/looker/docs/reference/param-field-filters): [dimension: "filter expression", dimension: "filter expression", ...]  
    [skip\_drill\_filter](https://cloud.google.com/looker/docs/reference/param-field-skip-drill-filter): yes | no  
  
    # FILTER SUGGESTION PARAMETERS  
    [allowed\_value](https://cloud.google.com/looker/docs/reference/param-field-parameter" \l "specifying_allowed_values): {  
      [label](https://cloud.google.com/looker/docs/reference/param-field-parameter#specifying_allowed_values): "desired label name"  
      [value](https://cloud.google.com/looker/docs/reference/param-field-parameter#specifying_allowed_values): "looker filter expression"  
    }  
    # Possibly more allowed\_value definitions  
    [bypass\_suggest\_restrictions](https://cloud.google.com/looker/docs/reference/param-field-bypass-suggest-restrictions): yes | no  
    [full\_suggestions](https://cloud.google.com/looker/docs/reference/param-field-full-suggestions): yes | no  
    [suggest\_dimension](https://cloud.google.com/looker/docs/reference/param-field-suggest-dimension): dimension\_name  
    [suggest\_explore](https://cloud.google.com/looker/docs/reference/param-field-suggest-explore): explore\_name  
    [suggest\_persist\_for](https://cloud.google.com/looker/docs/reference/param-field-suggest-persist-for): "N (seconds | minutes | hours)"  
    [suggestable](https://cloud.google.com/looker/docs/reference/param-field-suggestable): yes | no  
    [suggestions](https://cloud.google.com/looker/docs/reference/param-field-suggestions): ["suggestion string", "suggestion string", "…"]  
  
    # QUERY PARAMETERS  
    [allow\_approximate\_optimization](https://cloud.google.com/looker/docs/reference/param-field-allow-approximate-optimization): yes | no  
    [approximate](https://cloud.google.com/looker/docs/reference/param-field-approximate): yes | no  
    [approximate\_threshold](https://cloud.google.com/looker/docs/reference/param-field-approximate-threshold): N  
    [convert\_tz](https://cloud.google.com/looker/docs/reference/param-field-convert-tz): yes | no  
    [datatype](https://cloud.google.com/looker/docs/reference/param-field-datatype): epoch | timestamp | datetime | date | yyyymmdd  
    [fanout\_on](https://cloud.google.com/looker/docs/reference/param-field-fanout-on): repeated\_record\_name  
    [precision](https://cloud.google.com/looker/docs/reference/param-field-precision): N  
    [primary\_key](https://cloud.google.com/looker/docs/reference/param-field-primary-key): yes | no  
    [required\_access\_grants](https://cloud.google.com/looker/docs/reference/param-field-required-access-grants): [access\_grant\_name, access\_grant\_name, ...]  
    [required\_fields](https://cloud.google.com/looker/docs/reference/param-field-required-fields): [field\_name, field\_name, ...]  
    [sql\_distinct\_key](https://cloud.google.com/looker/docs/reference/param-field-sql-distinct-key): SQL expression to define repeated entities ;;  
  
    # VALUE AND FORMATTING PARAMETERS  
    [case](https://cloud.google.com/looker/docs/reference/param-field-case): {  
      [when](https://cloud.google.com/looker/docs/reference/param-field-case): {  
        [sql](https://cloud.google.com/looker/docs/reference/param-field-case): SQL condition ;;  
        [label](https://cloud.google.com/looker/docs/reference/param-field-case): "value"  
      }  
      # Possibly more when statements  
    }  
    [default\_value](https://cloud.google.com/looker/docs/reference/param-field-default-value): "desired default value"  
    [direction](https://cloud.google.com/looker/docs/reference/param-field-direction): "row | column"  
    [end\_location\_field](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "distance): dimension\_name  
    [html](https://cloud.google.com/looker/docs/reference/param-field-html): HTML expression using Liquid template elements ;;  
    [list\_field](https://cloud.google.com/looker/docs/reference/param-measure-types" \l "list): dimension\_name  
    [percentile](https://cloud.google.com/looker/docs/reference/param-measure-types#percentile): Nth percentile  
    [sql](https://cloud.google.com/looker/docs/reference/param-field-sql): SQL expression to generate the field value ;;  
    [sql\_end](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "type_duration): SQL expression indicating the end time of a duration ;;  
    [sql\_latitude](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "location): SQL expression to generate a latitude ;;  
    [sql\_longitude](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "location): SQL expression to generate a longitude ;;  
    [sql\_start](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "type_duration): SQL expression indicating the start time of a duration ;;  
    [start\_location\_field](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "distance): dimension\_name  
    [tiers](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#tier): [N, N, ...]  
    [type](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types): dimension\_field\_type # For a dimension field  
    [type](https://cloud.google.com/looker/docs/reference/param-field-dimension-group): dimension\_group\_type # For a dimension\_group field  
    [type](https://cloud.google.com/looker/docs/reference/param-measure-types): measure\_field\_type   # For a measure field  
    [type](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types): filter\_field\_type    # For a filter field  
    [type](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types): parameter\_field\_type # For a parameter field  
    [string\_datatype](https://cloud.google.com/looker/docs/reference/param-field-string-datatype): unicode # For a dimension field  
    [units](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#distance): feet | kilometers | meters | miles | nautical\_miles | yards  
    [value\_format](https://cloud.google.com/looker/docs/reference/param-field-value-format): "excel-style formatting string"  
    [value\_format\_name](https://cloud.google.com/looker/docs/reference/param-field-value-format-name): format\_name  
  
    # VISUALIZATION PARAMETERS  
    [allow\_fill](https://cloud.google.com/looker/docs/reference/param-field-allow-fill): yes | no  
    [map\_layer\_name](https://cloud.google.com/looker/docs/reference/param-field-map-layer-name): name\_of\_map\_layer  
  }  
}

**Parameter definitions**

**D** = Dimension  
**DG** = Dimension Group

**M** = Measure  
**F** = Filter

**P** = Parameter

|  |  |  |
| --- | --- | --- |
| **Parameter Name** | **Valid Field Types** | **Description** |
| Structural Parameters | | |
| [dimension](https://cloud.google.com/looker/docs/reference/param-field-dimension) | **D** | Creates a dimension field |
| [dimension\_group](https://cloud.google.com/looker/docs/reference/param-field-dimension-group) | **DG** | Creates several time-based dimensions at the same time |
| [filter](https://cloud.google.com/looker/docs/reference/param-field-filter) | **F** | Creates a filter-only field for use in a templated filter or conditional join |
| [measure](https://cloud.google.com/looker/docs/reference/param-field-measure) | **M** | Creates a measure field |
| [parameter](https://cloud.google.com/looker/docs/reference/param-field-parameter) | **P** | Creates a filter-only field users can use to provide input to a Liquid {% parameter %} tag |
| [intervals](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "intervals) | **DG** | Defines the set of duration dimensions you want in a [dimension\_group](https://cloud.google.com/looker/docs/reference/param-field-dimension-group) of [type: duration](https://cloud.google.com/looker/docs/reference/param-field-dimension-group#duration_type) |
| [timeframes](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "timeframes) | **DG** | Defines the set of timeframe dimensions you want in a [dimension\_group](https://cloud.google.com/looker/docs/reference/param-field-dimension-group) of [type: time](https://cloud.google.com/looker/docs/reference/param-field-dimension-group#time_type) |
| Action and Linking Parameters | | |
| [action](https://cloud.google.com/looker/docs/reference/param-field-action) | **D** **M** | Creates a data action on a field that lets users perform tasks in other tools, directly from Looker |
| [drill\_fields](https://cloud.google.com/looker/docs/reference/param-field-drill-fields) | **D** **DG** **M** | Declares the list of fields that will be displayed when the measure or dimension is drilled into |
| [link](https://cloud.google.com/looker/docs/reference/param-field-link) | **D** **M** | Creates links to other Looker and external content |
| [tags](https://cloud.google.com/looker/docs/reference/param-field-tags) | **D** **DG** **M** **F** **P** | Adds text that can be passed to other applications to provide data about a field |
| Display Parameters | | |
| [alias](https://cloud.google.com/looker/docs/reference/param-field-alias) | **D** **DG** **M** **F** **P** | Allows saved URLs with old field names to remain functional after a field is renamed |
| [alpha\_sort](https://cloud.google.com/looker/docs/reference/param-field-case" \l "alpha_sort) | **D** | Makes a [case](https://cloud.google.com/looker/docs/reference/param-field-case) parameter sort its conditions alphabetically |
| [description](https://cloud.google.com/looker/docs/reference/param-field-description) | **D** **DG** **M** **F** **P** | Adds a description to the field users can see on hover |
| [group\_label](https://cloud.google.com/looker/docs/reference/param-field-group-label) | **D** **DG** **M** **F** | Groups fields together within a view in the field picker |
| [group\_item\_label](https://cloud.google.com/looker/docs/reference/param-field-group-item-label) | **D** **DG** **M** **F** | Specifies a label to use for the field under its group label in the field picker |
| [hidden](https://cloud.google.com/looker/docs/reference/param-field-hidden) | **D** **DG** **M** **F** **P** | Hides a field from the Explore UI |
| [label](https://cloud.google.com/looker/docs/reference/param-field-label) | **D** **DG** **M** **F** **P** | Changes the way a field name appears in the field picker |
| [label\_from\_parameter](https://cloud.google.com/looker/docs/reference/param-field-label-from-parameter) | **D** **M** | Changes the way a field name appears in a visualization based on the input to a [parameter](https://cloud.google.com/looker/docs/reference/param-field-parameter) |
| [order\_by\_field](https://cloud.google.com/looker/docs/reference/param-field-order-by-field) | **D** **DG** **M** | Sorts a field by the values of another field  Supported for dimensions, dimension groups  Supported for measures |
| [style](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "style) | **D** | Changes the way that tiers appear in the Looker UI for a dimension of [type: tier](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#tier) |
| [view\_label](https://cloud.google.com/looker/docs/reference/param-field-view-label) | **D** **DG** **M** **F** **P** | Changes the fields that appear within a view in the field picker |
| Filter Parameters | | |
| [can\_filter](https://cloud.google.com/looker/docs/reference/param-field-can-filter) | **D** **DG** **M** | Determines if a dimension or measure can be used as a filter |
| [case\_sensitive](https://cloud.google.com/looker/docs/reference/param-field-case-sensitive) | **D** **F** | Determines if filters are case-sensitive for a dimension |
| [filter](https://cloud.google.com/looker/docs/reference/param-field-filter) | **F** | Creates a filter-only field for use in a templated filter |
| [filters](https://cloud.google.com/looker/docs/reference/param-field-filters) | **M** | Restricts a measure's calculation based on dimension limitations |
| [skip\_drill\_filter](https://cloud.google.com/looker/docs/reference/param-field-skip-drill-filter) | **D** | Stops a dimension from being added to the filters when a measure is drilled into |
| Filter Suggestion Parameters | | |
| [allowed\_value](https://cloud.google.com/looker/docs/reference/param-field-parameter" \l "specifying_allowed_values) | **P** | Specifies the choices for a [parameter](https://cloud.google.com/looker/docs/reference/param-field-parameter) |
| [bypass\_suggest\_restrictions](https://cloud.google.com/looker/docs/reference/param-field-bypass-suggest-restrictions) | **D** **DG** **F** **P** | Shows suggestions to users when [sql\_always\_where](https://cloud.google.com/looker/docs/reference/param-explore-sql-always-where) is in use, but don't apply those limits to the suggestions |
| [full\_suggestions](https://cloud.google.com/looker/docs/reference/param-field-full-suggestions) | **D** **DG** **F** **P** | Shows suggestions to users when [sql\_always\_where](https://cloud.google.com/looker/docs/reference/param-explore-sql-always-where) is in use, and do apply those limits to the suggestions |
| [suggest\_dimension](https://cloud.google.com/looker/docs/reference/param-field-suggest-dimension) | **D** **DG** **M** **F** **P** | Bases the suggestions for a field on the values of a different dimension |
| [suggest\_explore](https://cloud.google.com/looker/docs/reference/param-field-suggest-explore) | **D** **DG** **M** **F** **P** | Bases the suggestions for a field on the values of a different Explore |
| [suggest\_persist\_for](https://cloud.google.com/looker/docs/reference/param-field-suggest-persist-for) | **D** **F** **P** | Changes the cache settings for Looker filter suggestions |
| [suggestable](https://cloud.google.com/looker/docs/reference/param-field-suggestable) | **D** **DG** **M** **F** **P** | Enables or disables suggestions for a field |
| [suggestions](https://cloud.google.com/looker/docs/reference/param-field-suggestions) | **D** **F** **P** | Declares a list of values that will be used for a field's suggestions |
| Query Parameters | | |
| [allow\_approximate\_optimization](https://cloud.google.com/looker/docs/reference/param-field-allow-approximate-optimization) | **M** | Allows distinct count approximations for measures of [type: count](https://cloud.google.com/looker/docs/reference/param-measure-types#count) or [type: count\_distinct](https://cloud.google.com/looker/docs/reference/param-measure-types#count_distinct), so that the measure can be used for [aggregate awareness](https://cloud.google.com/looker/docs/aggregate_awareness) |
| [approximate](https://cloud.google.com/looker/docs/reference/param-field-approximate) | **M** | Performs an approximate count for a measure of [type: count\_distinct](https://cloud.google.com/looker/docs/reference/param-measure-types#count_distinct). See the [approximate](https://cloud.google.com/looker/docs/reference/param-field-approximate#dialect_support_for_approximate) documentation page for a list of dialects that support this parameter. |
| [approximate\_threshold](https://cloud.google.com/looker/docs/reference/param-field-approximate-threshold) | **M** | Sets the count at which BigQuery switches from an exact count distinct to an approximate count distinct |
| [convert\_tz](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "convert_tz) | **D** **DG** **M** **F** **P** | Disables automatic time zone conversion for a field |
| [datatype](https://cloud.google.com/looker/docs/reference/param-field-datatype) | **D** **DG** **F** **M** | Specifies the type of time data you are providing to a field |
| [fanout\_on](https://cloud.google.com/looker/docs/reference/param-field-fanout-on) | **D** **DG** **M** | Enables access to Google BigQuery repeated fields |
|  |  |  |
| [precision](https://cloud.google.com/looker/docs/reference/param-field-precision) | **M** | Specifies the number of decimal places to use when making calculations for Looker symmetric aggregates |
| [primary\_key](https://cloud.google.com/looker/docs/reference/param-field-primary-key) | **D** | Declares a dimension as the primary key of a view |
|  |  |  |
| [required\_access\_grants](https://cloud.google.com/looker/docs/reference/param-field-required-access-grants) | **D** **DG** **F** **M** **P** | Limits access to the field to only users whose user attribute values match the access grants |
| [required\_fields](https://cloud.google.com/looker/docs/reference/param-field-required-fields) | **D** **M** | Requires that additional fields are added to a query when a field is chosen |
| [sql\_distinct\_key](https://cloud.google.com/looker/docs/reference/param-field-sql-distinct-key) | **M** | Defines the unique entities over which a measure of [type: sum\_distinct](https://cloud.google.com/looker/docs/reference/param-measure-types#sum_distinct) or [type: average\_distinct](https://cloud.google.com/looker/docs/reference/param-measure-types#average_distinct_or_avg_distinct) will be calculated |
| Value and Formatting Parameters | | |
| [case](https://cloud.google.com/looker/docs/reference/param-field-case) | **D** | Creates a discrete set of values a dimension can have determined by SQL conditions |
| [default\_value](https://cloud.google.com/looker/docs/reference/param-field-default-value) | **F** **P** | Specifies a default value for [filter fields](https://cloud.google.com/looker/docs/reference/param-field-filter) |
| [direction](https://cloud.google.com/looker/docs/reference/param-field-direction) | **M** | Determines the direction that a measure of [type: percent\_of\_total](https://cloud.google.com/looker/docs/reference/param-measure-types#percent_of_total) or [type: running\_total](https://cloud.google.com/looker/docs/reference/param-measure-types#running_total) is calculated when pivots are used |
| [end\_location\_field](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "distance) | **D** | Defines the field that contains the end location for a field of [type: distance](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#distance) |
| [html](https://cloud.google.com/looker/docs/reference/param-field-html) | **D** **DG** **M** | Modifies the HTML output of a field using Liquid templating |
| [list\_field](https://cloud.google.com/looker/docs/reference/param-measure-types" \l "list) | **M** | Declares the dimension from which a measure of [type: list](https://cloud.google.com/looker/docs/reference/param-measure-types#list) will be calculated |
| [percentile](https://cloud.google.com/looker/docs/reference/param-measure-types" \l "percentile) | **M** | Specifies the fractional value (the Nth percentile) for a measure of [type: percentile](https://cloud.google.com/looker/docs/reference/param-measure-types#percentile) or [type: percentile\_distinct](https://cloud.google.com/looker/docs/reference/param-measure-types#percentile_distinct) |
| [sql](https://cloud.google.com/looker/docs/reference/param-field-sql) | **D** **DG** **M** **F** | Determines how a field will be calculated |
| [sql\_end](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "type_duration) | **D** **DG** | Defines the end time of a duration for a [duration type dimension group](https://cloud.google.com/looker/docs/reference/param-field-dimension-group#type_duration) or a [duration type dimension](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#individual_duration_types) |
| [sql\_latitude](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "location) | **D** | Defines the latitude of a dimension of [type: location](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#location) |
| [sql\_longitude](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "location) | **D** | Defines the longitude of a dimension of [type: location](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#location) |
| [sql\_start](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "type_duration) | **D** **DG** | Defines the begin time of a duration for a [duration type dimension group](https://cloud.google.com/looker/docs/reference/param-field-dimension-group#type_duration) or a [duration type dimension](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#individual_duration_types) |
| [start\_location\_field](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "distance) | **D** | Defines the field that contains the start location for a field of [type: distance](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#distance) |
| [tiers](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "tier) | **D** | Defines the tiers for a dimension of [type: tier](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#tier) |
| [type (for dimension, filter, or parameter)](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types) | **D** **F** **P** | Specifies the type of dimension, filter, or parameter |
| [type (for dimension group)](https://cloud.google.com/looker/docs/reference/param-field-dimension-group" \l "types) | **DG** | Specifies the type of dimension group |
| [type (for measure)](https://cloud.google.com/looker/docs/reference/param-measure-types) | **M** | Specifies the type of measure |
| [string\_datatype](https://cloud.google.com/looker/docs/reference/param-field-string-datatype) | **D** | Specifies the unicode datatype for a field of [type: string](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#string) for SQL Server or MySQL |
| [units](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types" \l "distance) | **D** | Specifies the units to use for a field of [type: distance](https://cloud.google.com/looker/docs/reference/param-dimension-filter-parameter-types#distance) |
| [value\_format](https://cloud.google.com/looker/docs/reference/param-field-value-format) | **D** **M** | Formats the output of a field using Excel style options |
| [value\_format\_name](https://cloud.google.com/looker/docs/reference/param-field-value-format-name) | **D** **M** | Formats the output of a field using a built-in or custom format |
| Visualization Parameters | | |
| [allow\_fill](https://cloud.google.com/looker/docs/reference/param-field-allow-fill) | **D** **DG** | Determines if dimension filling is allowed for a dimension |
| [map\_layer\_name](https://cloud.google.com/looker/docs/reference/param-field-map-layer-name) | **D** | Specifies a mapping from a data value to a geographic region that you've defined on a built-in or custom map |
| Parameters to Avoid | | |
| [decimals](https://cloud.google.com/looker/docs/reference/param-field-decimals) | **D** **M** | REMOVED 5.4 Replaced by [value\_format](https://cloud.google.com/looker/docs/reference/param-field-value-format) |
| [format](https://cloud.google.com/looker/docs/reference/param-field-format) | **D** **M** | REMOVED 3.16 |