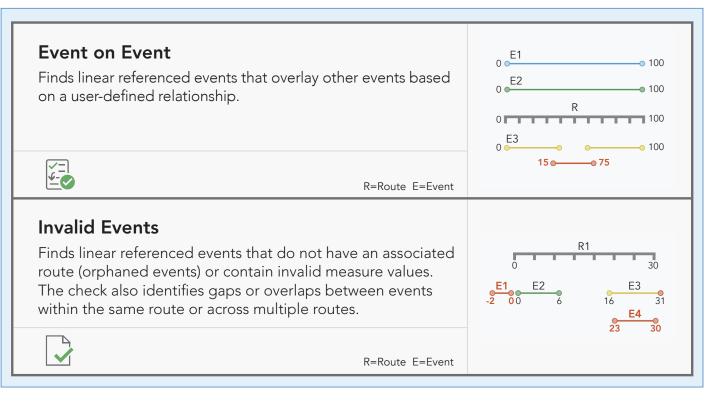
# **ArcGIS®** Data Reviewer Checks

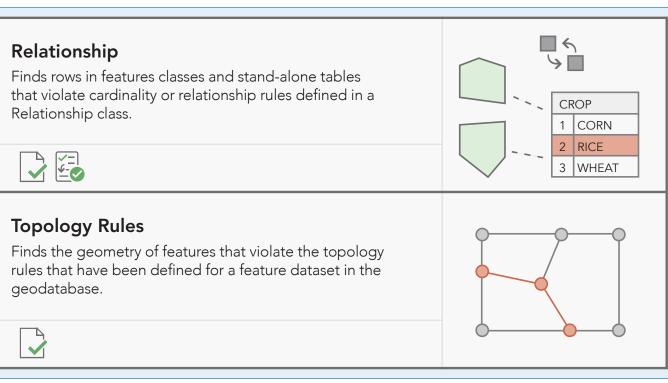
## **ATTRIBUTE CHECKS**

| Domain<br>Finds attribute values that do not comply with coded value<br>or range domains that are associated with an attribute field.  | LANDUSE DESCRIPTION<br>000 UNCLASSIFIED<br>AGR AGRICULTURE<br>SDP PLAN<br>IND INDUSTRIAL<br>NRN IND |  |  |  |
|--|---|--|--|--|
| <b>Query Attributes</b> (Execute SQL)<br>Finds records based on a WHERE clause run against<br>row attributes.  |   |  |  |  |
|  | TYPE = 4  |  |  |  |
| Regular Expression<br>Finds features and rows that contain text values that do not<br>match a defined pattern.   | FIELDREGULAR<br>EXPRESSION1805YEAR(19/20)\D\D2005200A   |  |  |  |
| Subtype<br>Finds features with improper or null subtype values.  | SUBTYPES   1 HIGHWAYS   2 MAJOR ROAD   3 LOCAL STREETS   4 ALLEY                                    |  |  |  |
| <b>Table to Table Attribute</b><br>Finds features or rows that contain attribute values that meet<br>a relationship you define and compares them to values in<br>another feature class or stand-alone table. | SUBTYPE=0   FEATURE CLASS   OID SCALE 20,000   1 10,000 30,000   2 20,000 30,000                    |  |  |  |

### **EVENT CHECKS**



# **GEODATABASE CHECKS**



### **POLYLINE CHECKS**

| Evaluate Polyline Length<br>Finds polyline segments, parts, or features that have a line<br>length within a specified tolerance.  | 50<br>60 10<br>30<br>LENGTH <20 |
|---|---------------------------------|
| Find Dangles<br>Finds polyline features with nodes that are within a user-<br>defined tolerance but not connected to other polyline or<br>polygon features.                           |                                 |
| Monotonicity<br>Finds z-enabled or m-enabled polylines for vertices that are<br>not strictly increasing or decreasing in value or are trending<br>based on specified conditions.      | z $1$ $2$ $1$ $4$ $5$ $M$       |
| Multipart Line<br>Finds polyline features with more than one part.<br>Note: See Evaluate Part Count check for equivalent<br>capability in ArcGIS Pro and ArcGIS Enterprise workflows. | 2<br>1<br>PARTS>1               |
| <b>Find Disconnected Polylines</b> ( <i>Orphans</i> )<br>Finds polyline features that are not connected to other<br>features in the same or other data sources.                       |                                 |
| <b>Polyline or Path Closes on Self</b><br>Finds paths or lines in polyline features that close themselves.  | $p^2$<br>$p^1$ $p^3$ $p^3$      |
| <b>Unnecessary Nodes</b><br>Finds features that share a node and have identical<br>attributes in editable fields.   |                                 |
|   |                                 |

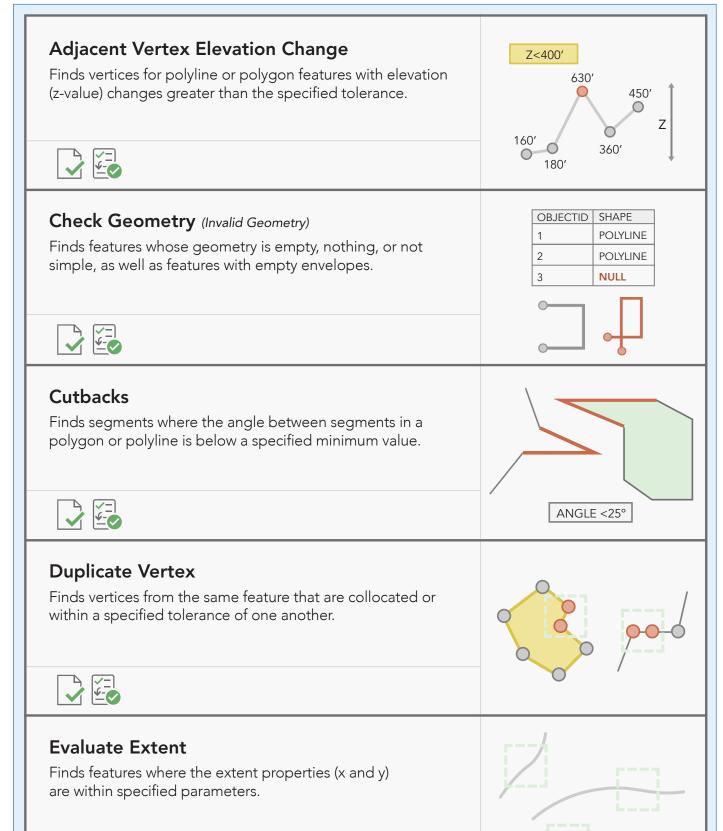
# 

Unique Field Value (Unique ID) Finds rows in feature classes and stand-alone tables that contain nonunique values in a field or a list of fields that are editable.

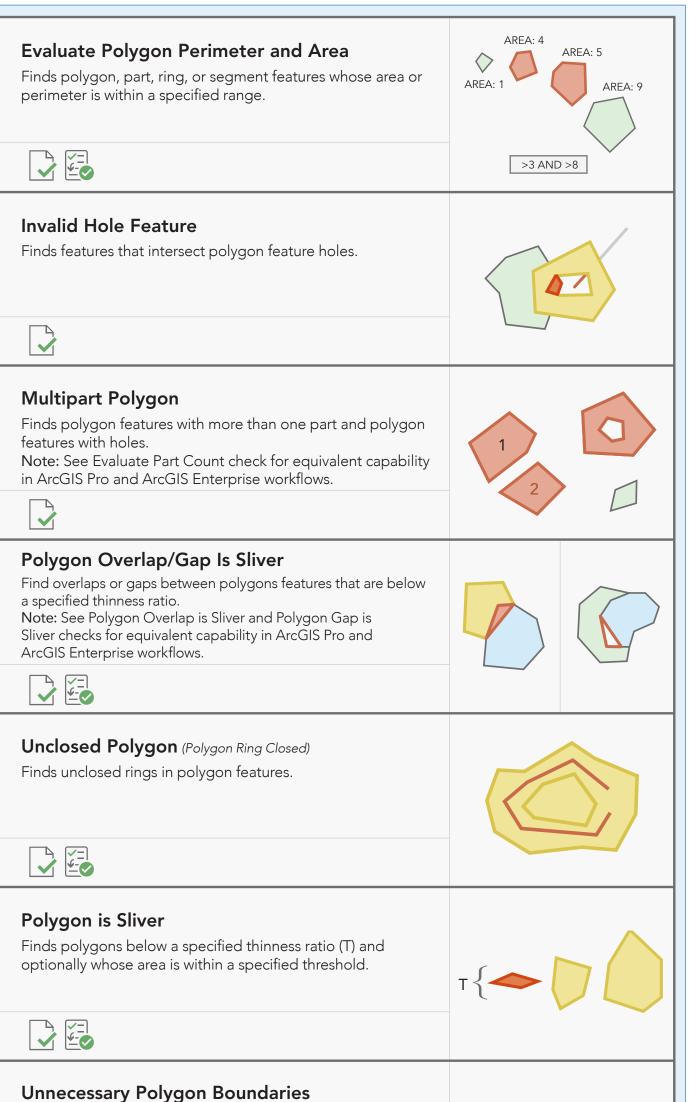
| 7 25 |   |  |
|------|---|--|
|      |   |  |
| 8 18 |   |  |
| 9 18 | ] |  |

4 30,000

# **FEATURE INTEGRITY CHECKS**

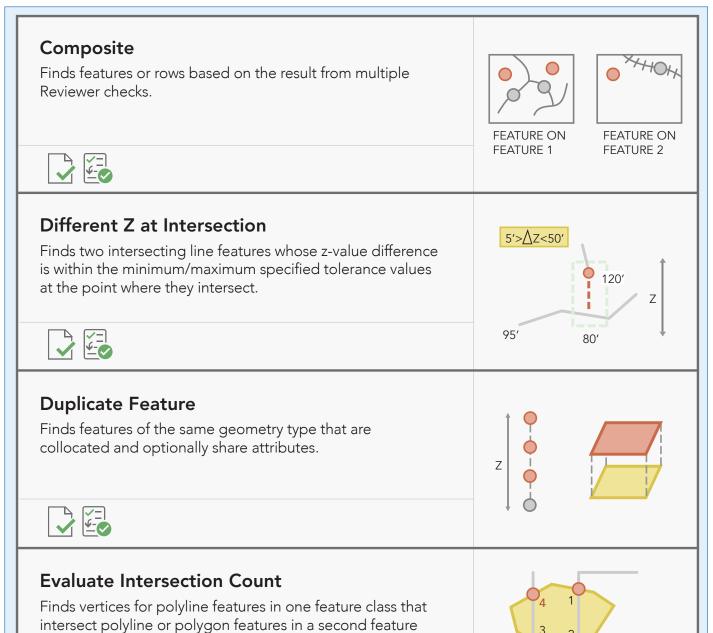


# **POLYGON CHECKS**



Finds border geometries for polygons that share a common

# SPATIAL RELATIONSHIP CHECKS

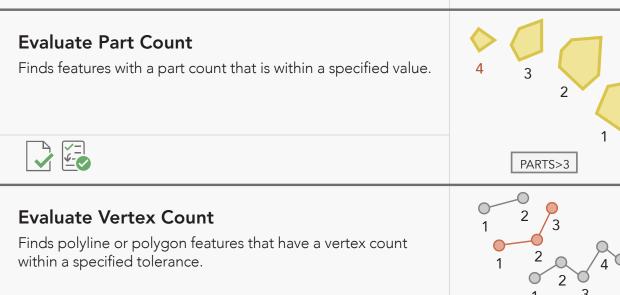


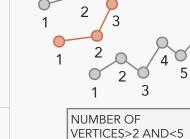
| L | É |
|---|---|

class a specified number of times.

INTERSECTION>3

 $\bigcirc$ 





**Evaluate Z Values** Finds features whose z-values are within a specified range.



Nonlinear Segment

Finds polyline or polygon features that contain nonlinear segments such as arcs and curves.



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Ζ

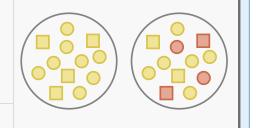
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# 

Sampling Generates a statistical sampling of features or records from

one or more layers or tables.



| boundary and identical attribution. |  |
|-------------------------------------|--|
|                                     |  |
|                                     |  |

# LEGEND



Reviewer batch jobs contain configured Data Reviewer checks that validate features stored in geodatabase feature classes, stand-alone tables, and shapefiles. Batch jobs are created using tools in ArcMap<sup>™</sup> and are persisted as an .rbj file that can be shared using project templates and packages in ArcGIS Pro.

### **REVIEWER RULES IN A GEODATABASE**

Reviewer geodatabase rules are configured Data Reviewer checks that evaluate the quality of features and rows stored in a geodatabase. Rules are created using tools in ArcGIS Pro and support both contraint attribute rule and validation attribute rule workflows. Rules are stored in a geodatabase that can be shared by exporting as a CSV or XML workspace document file.

# Intersection on Geometry

Finds features that have a specific relationship either from

Feature on Feature (Geometry on Geometry)

two feature layers or within the same feature layer.

Finds geometries with features in Feature Class 1 that intersect with the intersections of features in Feature Class 2 and 3. 

# Valency Finds points or nodes of linear features that intersect with a specified number of linear features.

1 VALENCY

POINT VALENCY

# esri.com/datareviewer



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