What's New in Esri® Business Analyst™ 10

2011/2016 Esri Data Update

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Welcome to Esri Business Analyst 10

2011/2016 Esri Data Update

Overview

The 2011/2016 Esri Data Update to Esri® Business Analyst™ 10 marks a milestone in terms of data. It represents a complete update from Census 2000 to Census 2010. This update affects not only data but also boundaries and geocoding. This release includes updates to the standard Business Analyst datasets and reports as well as some minor software fixes. This is a Business Analyst 10.0 release. This document provides a summary of the new data updates and software fixes in the 2011/2016 Esri Data Update.

The software fixes can also be downloaded from the Esri Support site as service pack 3.

Data Updates

Boundaries

- All census-based geography has been updated to reflect Census 2010. Census boundaries are from TIGER 2010.
- ZIP Code boundaries come from the NAVTEQ Q4 2010 release and reflect the US Postal Service December 2010 inventory.
- Designated market areas (DMAs) represent the 2010–2011 markets defined by Nielsen Media Research.
- County subdivisions and places, which are new boundaries for Business Analyst, come from Census 2010.
- Congressional districts are also new boundaries for Business Analyst; they represent the 112th Congress.

  For more information about the 2010 geography changes, see arcgis.com/en/esri_data/geography_changes/index.html.

Known Issue: [CR 228730 - BA 10 The NAVTEQ ZIP Codes are too detailed to pass through BAO] If you experience difficulties with online access using the ZIP Code boundaries installed with Business Analyst, you can copy and use a generalized ZIP Code layer file that has been provided. The shapefile can be found on the installation flash drive at the following location:

\BA_10_Data\Desktop10.0\Business Analyst\US\Datasets\Generalized Data USA\ZIP5_Gen*.*

Street Data (Display, Routing, and Geocoding)

- This update provides street data from NAVTEQ. This data is used in street routing and address location lookup functions. The data comes from the ArcGIS StreetMap Premium August 2011 release, created using NAVTEQ NAVSTREETS street network version Q2 2011.

Demographic Data

- **2011/2016 Esri Data—**This release includes Esri's 2011/2016 Updated Demographic Data. Built with evaluated and revised models, Esri 2011/2016 Updated Demographic Data is based on Census 2010 counts and in 2010 geography. It contains a limited set of data variables compared to the 2010/2015 Esri Data Update. It contains updates to age, race, income, and housing data variables. It does not contain updates to labor force, education, marital status, home value, disposable income, net worth, or business summary data variables.

  For more information about Esri's 2011/2016 Updated Demographic Data, see esri.com/library/whitepapers/pdfs/demographic-update-methodology-2011.pdf.

- **Census 2010 Data—**Esri's release of Census 2010 data combines the PL94-171 file and variables from Summary File 1 (SF-1).

- **Census 2000 in 2010 Geography—**Esri has recalibrated some key Census 2000 data variables into Census 2010 geography. This enables you to make direct comparisons of Census 2000, Census 2010, and 2011/2016 Esri data.

- **Consumer Spending—**The Consumer Spending database gives you the details about which products and services consumers buy. This release includes the updated 2011 Consumer Spending data and corresponding Expenditure reports. See the Reports section in this document for information about Expenditure reports.

- **Market Potential—**The Market Potential data tells you about the products and services consumers want and the civic attitudes they have. This release includes the updated 2011 Market Potential data and reports. See the Reports section in this document for information about Market Potential reports.

- **Census 1990—**This release does not contain Census 1990 data. Census 1990 data can be accessed via online access through the Report and Analysis wizards as well as through color-coded maps.

- **Business Summary—**This release does not contain Business Summary data. Business Summary data can be accessed via online access through the Report and Analysis wizards as well as through color-coded maps.

- **Retail MarketPlace—**This release does not contain Retail MarketPlace data. Retail MarketPlace data can be accessed via online access through the Report and Analysis wizards as well as through color-coded maps.

Known Issue: The land area (LANDAREA) for the Core Based Statistical Area (CBSA) and DMA levels of geography incorrectly represents total area (water and land). You can download CBSA- and DMA-level files with the associated corrected land area from the Esri Support site. Check the Business Analyst resource center for more information.

Reports

Updated Reports—The following reports have been updated to include 2011/2016 Esri data:

- Demographic and Income Profile (2011/2016 Esri)
- Retail Goods and Services Expenditures (2011 Esri)
- Tapestry™ Segmentation Area Profile (2011 Esri)

New Reports—The following reports are new with this release:

- Census 2010 Summary Profile (Census 2010)
- Automotive Aftermarket Expenditures* (2011 Esri)
- Financial Expenditures* (2011 Esri)
- House and Home Expenditures* (2011 Esri)
- Household Budget Expenditures* (2011 Esri)
- Medical Expenditures* (2011 Esri)
- Recreation Expenditures* (2011 Esri)
- Electronics and Internet Market Potential* (2011 Esri)
- Financial Investments Market Potential* (2011 Esri)
- Health and Beauty Market Potential* (2011 Esri)
- Pets and Products Market Potential* (2011 Esri)

- Restaurant Market Potential* (2011 Esri)
- Retail Market Potential* (2011 Esri)
- Sports and Leisure Market Potential* (2011 Esri)

*Available in Business Analyst Premium

Removed Reports—The following reports are not available with this release. The supporting data to run these reports is not available with the 2011/2016 Esri data. These reports can be accessed via online access through the Report wizard.

- Age by Income Profile
- Age by Sex Profile
- Executive Summary Report
- Housing Profile
- Market Profile
- Quarterly Demographic Profile

Known Issue: If you experience difficulties with creating a custom report template using the Tapestry Segmentation Area Profile as a starting point, you can resolve the issue by copying and replacing the report template.

Rename—as report_temp.xml—the existing report template at the following location:

C:\Program Files\ArcGIS\Desktop10.0\Business Analyst\US\Datasets\Report Templates\Tapestry Segmentation Area Profile\report.xml

Then copy the new report template from the installation flash drive to the same location. The report template file can be found on the installation flash drive at the following location:

\BA_10_Data\Desktop10.0\Business Analyst\US\Datasets\Report Templates\Tapestry Segmentation Area Profile\report_no_hyperlinks.xml

Rename the new template report.xml.

Business Locations

The Business Location data from Infogroup has been updated. The Business Location data is dated July 2011. In addition, there are two new fields: Subsidiary Parent Number and Ultimate Parent Number.

Known Issue: Business locations that have been geocoded and matched to the Address Points locator are being displayed at the entry point for the address, which is where the driveway meets the road (offset 10 feet from the centerline) rather than at the rooftop. A Business Locations file that displays affected records at the rooftop will be made available for download. Check the Business Analyst resource center for more information.

Shopping Center Locations

The Shopping Center Location data from Directory of Major Malls has been updated. The Shopping Center data is dated January 2012.

Software Fixes

The following list describes the software fixes included in this release.

For users who are only interested in obtaining these software fixes and do not want to update their data, a service pack has been made available. Go to Patches and Service Packs for Esri Business Analyst Desktop to download and install Esri Business Analyst Service Pack 3.

The following bugs have been fixed in service pack 3 and the 2011/2016 Esri Data Update:

- CR73649 Custom Template Pattern (Demographic and Income) - include charts in reports
- CR134004 [10.0.3 Update] Huff Model wizard (Business Analyst) contains spelling error
- CR159558 [10.0.3 Update] Trade Area - Customer Derived Areas Error - "Assign by Closest Stores Location" GP function failed
- CR161310 [10.0.3 Update] CEX data incorrectly providing percents instead of averages (Online)
- CR161461 [10.0.3 Update] Particular custom BDS crashes ArcMAP
- CR169998 BA 10: Block Group attribute table is blank after installing and registering/activating data
- CR171486 [10.0.3 Update] BA 10 Bug: Assigning customers to nearest store results in an Unhandled Exception
- CR172506 [10.0.3 Update] Detailed Business Locations Report – Header Cutoff and Misspelling
- CR171550 [10.0.3 Update] Business Analyst 10 displays the wrong version number in the 10 PatchFinder.exe
- CR172715 [10.0.3 Update] Assign by Closest Store Location GP Tool - "Create New Store ID Field" option error
- CR172941 [10.0.3 Update] Reports – Header Issue When Run For Continental US Standard Geographies Layer
- CR173002 [10.0.3 Update] Create Series of Maps – Error on XP - cannot access the file 'values.ldb' because it is being used by another process
- CR175460 [10.0.3 Update] [METADATA] Certain records in the fields.xml file consumed by the BAO team seem to contain values for both "percentage" and "AvgBase" attributes
- CR175482 [10.0.3 Update] Spatial Overlay Crashes For Crime Data Custom BDS
- CR180433 [10.0.3 Update] Study Area - 'Can't rename item because it is being used by another process' Error Message
- CR187960 Empty "glfield" Attributes In hierarchy.xml
- CR189336 [10.0.3 Update] Remove DMA correspondence from BA Desktop

- CR190991 [10.0.3 Update] Find Optimal Store Location (Mean Center) does not produce consistent results when calculating the mean for numerous locations in Business Analyst
- CR195911 [10.0.3 Update] Newly Created Study Area Is Not Added to the Set Analysis Extent List
- CR196704 SP3: Use 7Zip Format for Upload/Download Functionality
- CR197220 [10.0.3 Update] Determine Trade Area Penetration – 'ERROR 080001: External component has thrown an exception'
- CR197221 [10.0.3 Update] Add Business Listings Error - Error HRESULT E_FAIL has been returned from a call to a COM component
- CR197535 [10.0.3 Update] Custom Reports: Report Title Is Not Used in the Reports
- CR197818 [10.0.3 Update] Reports – Create single report file – ERROR 080001: The process cannot access the file 'join0.ldb'
- CR198142 [10.0.3 Update] Help – Three Bad Help Links – Using Evaluate Site, Data tab, Using Add Business Listings
- CR198237 [10.0.3 Update] Proximity Analysis Report does not correctly order the closest five locations based on a straight line distance
- CR200282 Localization - an exception is thrown when building drive time trade areas if non-English user interface is set in ArcGIS and time units are used
- CR203176 [10.0.3 Update] When creating online reports from Business Analyst Desktop, the reports are created for each part of the trade area instead of whole area
- CR204444 [10.0.3 Update] Reports - Stitch reports by trade area - ERROR 080001
- CR204460 [10.0.3 Update] Reports - Whole Layer option works incorrectly for simple rings (non-donut)
- CR204851 [10.0.3 Update] Reports – Area Name Not Included In Header When Running Reports For Some Specific User Layers With Multiple Sites
- CR204928 The Upload Project tool does not accept SSL secured (https) Business Analyst Server web service URLs
- CR205745 [10.0.3 Update] Cannot use Benchmark report in a model
- CR206891 [10.0.3 Update] Installation – Uninstall Errors
- CR206971 [10.0.3 Update] Creating Performance Index for a custom BDS causes incorrect results
- CR207142 [10.0.3 Update] Creating performance indexes for specific BDS file yields incorrect results
- CR208143 Spatial Overlay returns zero value if two specific variables are selected
- CR208144 Calculating Total Population and Population Density takes 30 times longer than calculating Total Population alone

- CR208145 On custom BDS based on Tracts the value of population is calculated incorrectly if user selects to calculate both population and LANDAREA
- CR208146 Specific Custom BDS Layer calculates wrong value for Total Population when Land Area summarization is calculated along with Total Population
- CR208619 Drive Time Error Resulted From QFE Installation
- CR209086 [10.0.3 Update] Custom Data Setup - Back and Next Issue - Fields Cleared & Reselecting Changes Default Apportionment Method Settings
- CR209228 Wrong value for specific trade area on custom BDS
- CR211927 [10.0.3 Update] BA 10 SP Bug: Build 10.0.2.206. Error encountered when creating both a trade area and report from a list of ZIPs whereby two of the zip codes do not exist
- CR212769 [10.0.3 Update] Reports: Demo and Income: Whole USA: Number diff between BA Server and BA Desktop Reports
- CR213635 [10.0.3 Update] Preferences – Segmentation Tab – Check On 'Do not use unclassified segment' By Default
- CR213780 [10.0.3 Update] Word 'County' Duplicated in County Labels Layer
- CR214722 Benchmart reports wizard throws exception
- CR216356 [10.0.3 Update] Dynamic Ring Analysis – CEX and MPI Fields Not Showing Up In 'Threshold field' Field List
- CR216545 [10.0.3 Update] Trade Area – Standard Geographies (Online Data) – Select from the geography tree – Search Error
- CR216604 [10.0.3 Update] Trade Area – Standard Geographies (Online Data) – Error Creating Local Report For Trade Area Created Online
- CR218485 [10.0.3 Update] Add link in Message Center for setting up online access
- CR218749 [10.0.3 Update] Allow for standard BDS based on FGDB feature classes in Build DemoCalc Index functionality
- CR220363 [10.0.3 Update] Append Data and Reports Showing Different Values For 2011 Data (Online Data)
- CR221198 [10.0.3 Update] Show Address Coder toolbar on the first run of BA under current user
- CR221503 FGDB Data: Append Data (Spatial Overlay) Crashes If Double (Floating Point) Field Selected And Output Dataset Type Is Shapefile
- CR221745 [10.0.3 Update] BA Setup Script Issue – 'Business Analyst Web.mxd' Does Not Show Up in the 'Recent Map Documents' List in the Message Center by Default as it Should
- CR222033 [10.0.3 Update] Target Marketing – Segmentation Study "Can't load report metadata" Error
- CR222259 [10.0.3 Update] Improve error message when online report is run for online Std Geo TA based on different dataset

- CR222497 [10.0.3 Update] Customer Derived Areas algorithm calculates distances incorrectly
- CR222703 [10.0.3 Update] Accessing 2011/2016 data from within Business Analyst results in ERROR 080001: Error message stack
- CR222748 [10.0.3 Update] Target Marketing – Create Geographic Profile Error – "ERROR 080001: Value does not fall within the expected range"
- CR222774 [10.0.3 Update] Message Center Comes Up In a Minute After ArcMap Starts
- CR223060 [10.0.3 Update] BA Message Center – Graphic For Video Feed Not Showing Up
- CR223281 [10.0.3 Update] Installation – BA Not Installed For All Users As It Should Be
- CR223459 [10.0.3 Update] Change DemoCalc Settings in Hierarchy.xml
- CR223773 [10.0.3 Update] Please add the ability to refresh projects in the Business Analyst Repository in ArcCatalog
- CR223781 [10.0.3 Update] Standard Demographic Layers Need Spatial Indexes
- CR224497 [10.0.3 Update] Preferences - BA US - Hide 'Use generalized geometry' Option Since Generalized Boundaries Will Not Be Included In Data Update
- CR224542 [10.0.3 Update] Custom Data Setup Error Clicking Next After Selecting Any Base Geography Layer
- CR224742 [10.0.3 Update] Average Drive Time Report Returns Zeros When Minutes Are Used as Distance Units
- CR225514 [10.0.3 Update] Property "HigherLevels" of RegionIDCalculation dataset config task should be optional
- CR225658 [10.0.3 Update] Study Area – DMA Error
- CR225834 [10.0.3 Update] Store Setup – Manage Existing Store Layers – Rename Error
- CR225946 [10.0.3 Update] Target Marketing Segmentation Analysis does not run if the output is in .xlsx (error)
- CR225993 [10.0.3 Update] DemographyDataDir registry values should be case-insensitive
- CR226293 [10.0.3 Update] Address Coder Toolbar Is Floating By Default – Change To Be Docked By Default
- CR226771 [10.0.3 Update] Reports – Demographic and Income Profile Error 080001
- CR226772 [10.0.3 Update] Reports – Standard Summary Reports Showing Up Under 'Custom' Category
- CR226775 [10.0.3 Update] Reports – Incorrect Footers On Summary Reports
- CR226871 [10.0.3 Update] BA Message Center – New URL For Blog Feed
- CR226884 [10.0.3 Update] Standard Geographies – Error at ESRI.ArcGIS.Geodatabase.IFeature.get_OID

- CR227311 [10.0.3.Update] Field Visibility Showing Blank In Properties For Demographic Layers
- CR227461 [10 SP4] Custom Data Node in Upload Utility Should Only List SHP and LYR files in Shapefile
- CR227486 [10.0.3 Update] Color-Coded Maps and Smart Map Search: "Business Analyst 2011 Base Data" Category Is Duplicated in the Layers List
- CR227487 [10.0.3 Update] MPI Data Is Not Shown in Color-Coded Maps
- CR227552 [10 SP4] Unable to Upload/Download projects between BA Desktop and BA Server SP4
- CR227728 [10.0.3 Update] Update license agreement click-through for installation of 2011/2016 Data Update (see attachment)
- CR228205 [10.0.3 Update] Reports – Tapestry Segmentation Area Profile Error 080001
- CR228219 [10.0.3 Update] CFGDB Feature Classes and BDS Referring CFGDB Feature Classes Should Not Be Checked for Spatial Index
- CR228353 [10.0.3 Update] Add Business Listings – Classic – Odd BALoadByLocation Window and Error
- CR228354 [10.0.3 Update] Add Business Listings – Classic – No Businesses Were Found For Search That Should Have Results
- CR228358 [10.0.3 Update] Shopping Centers Report Is Not Available to Run
- CR228359 [10.0.3 Update] Error When Running Business Reports for Standard Businesses Layer
- CR228650 [10.0.3 Update] 'Evaluate Site Records' Address Dialog Not Retaining Address Fields Correctly
- CR228693 [10.0.3 Update] Summarizations - Annual Rates Formula Issue
- CR228730 BA 10 The NAVTEQ ZIP Codes are too detailed to pass through BAO
- CR228866 [10.0.3 Update] When Licensed Data Is Used The Message Saying That Some Layers Are Not Licensed Misses Businesses Layer
- CR228968 [10.0.3 Update] Upload/download download empty project doesn't work
- CR228969 Upload/download Uploading custom BDSs doesn't work
- CR228971 [10.0.3 Update] Duplicated speed limits
- CR229017 [10.0.3 Update] Reports – Demographic and Income Profile Pie Chart Is Blacked Out
- CR229065 [10.0.3 Update] MSP: Reports – ERROR 080001 Object reference not set to an instance of an object" For "Age by Sex Profile"
- CR229133 [10.0.3 Update] MSP: Study Area – By State – From a map - Failed to build geometry by GP tool dissolve

- CR229248 [10.0.3 Update] Reports Fail for a Specific Trade Area if DemoCalc Indexes Are Used
- CR229474 Upload\Download - "Overwrite existing desktop items" Option Always Deletes All Project Items
- CR229606 Upload\Download - Tool Crashes When Item Is Downloaded With Creating New Project
- CR229839 [10.0.3 Update] Detailed Territory Report Error
- CR229848 [10.0.3 Update] Error When Geocoding Table from TOC
- CR229999 [10.0.3 Update] Reports - Summary Reports Footer Issues - URLs
- CR230003 [10 SP4] Custom Data Setup – Message For Missing Fields For Report Aggregation Issue
- CR230251 [10 SP4] Unable to upload project to a secure BA Server machine
- CR230267 [10.0.3 Update] Preferences – 'Choose Project Explore Report Template' Blank By Default – Errors If Run
- CR230482 [10.0.3. Update] Installation – Software Install Compliance Check Issue
- CR230488 [10.0.3 Update] Address Coder 'Not Available' Message
- CR230914 [10.0.3 Update] Trade Area – Trade Area Tools – Append Data – Failure in DemoCalc Error
- CR230963 [10.0.3 Update] Update source data footer in non-summary report templates
- CR231063 [10.0.3 Update] Trade Area – Standard Geographies – Running Some Reports For Whole USA Trade Area Freezes BA
- CR231292 [10.0.3 Update] Store Setup Error – ERROR 080002: The value type is incompatible with the field type. [Disp_lon]
- CR231294 [10.0.3 Update] Reports – ERROR 080280: Failed to create value tables for report