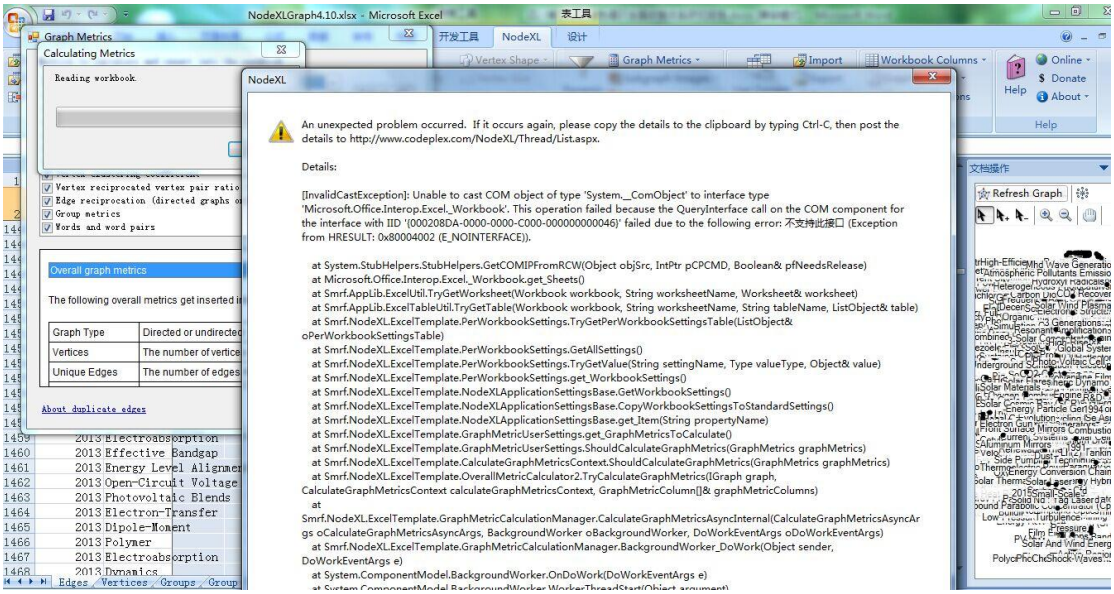
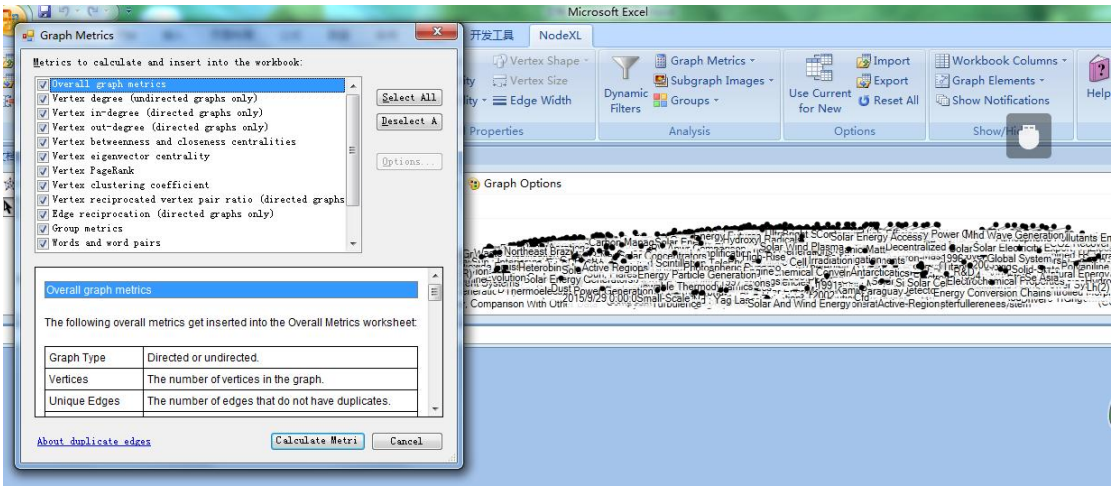
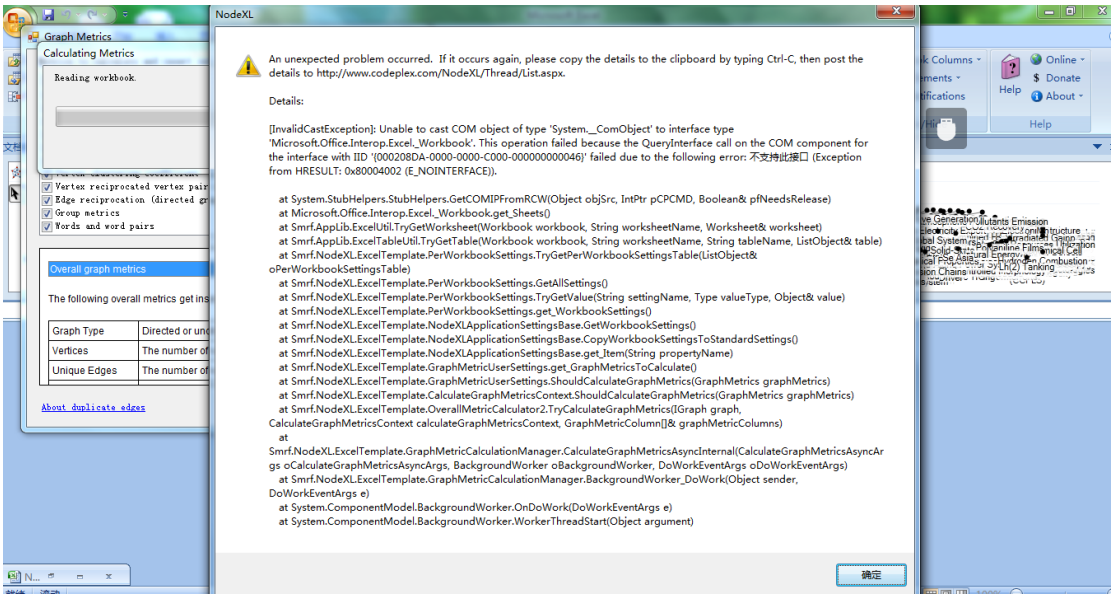

NodeXLGraph4.10.xlsx - Microsoft Excel
Graph Metrics
Calculating Metrics
Reading workbook
NodeXL
An unexpected problem occurred. If it occurs again, please copy the details to the clipboard by typing Ctrl-C, then post the details to http://www.codeplex.com/NodeXL/Thread/List.aspx.
Details:
[InvalidCastException]: Unable to cast COM object of type 'System.__ComObject' to interface type 'Microsoft.Office.Interop.Excel._Workbook'. This operation failed because the QueryInterface call on the COM component for the interface with IID '{000208DA-0000-0000-C000-000000000046}' failed due to the following error: 不支持此接口 (Exception from HRESULT: 0x80004002 (E_NOINTERFACE)).
at System.StubHelpers.StubHelpers.GetCOMIPFromRCW(Object objSrc, IntPtr pCPCMD, Boolean& pfNeedsRelease)
at Microsoft.Office.Interop.Excel._Workbook.get_Sheets()
at Smrf.AppLib.ExcelUtil.TryGetWorksheet(Workbook workbook, String worksheetName, Worksheet& worksheet)
at Smrf.AppLib.ExcelTableUtil.TryGetTable(Workbook workbook, String worksheetName, String tableName, ListObject& table)
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.TryGetPerWorkbookSettingsTable(ListObject& oPerWorkbookSettingsTable)
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.GetAllSettings()
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.TryGetValue(String settingName, Type valueType, Object& value)
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.get_WorkbookSettings()
at Smrf.NodeXL.ExcelTemplate.NodeXLApplicationSettingsBase.GetWorkbookSettings()
at Smrf.NodeXL.ExcelTemplate.NodeXLApplicationSettingsBase.CopyWorkbookSettingsToStandardSettings()
at Smrf.NodeXL.ExcelTemplate.NodeXLApplicationSettingsBase.get_Item(String propertyName)
at Smrf.NodeXL.ExcelTemplate.GraphMetricUserSettings.get_GraphMetricsToCalculate()
at Smrf.NodeXL.ExcelTemplate.GraphMetricUserSettings.ShouldCalculateGraphMetrics(GraphMetrics graphMetrics)
at Smrf.NodeXL.ExcelTemplate.CalculateGraphMetricsContext.ShouldCalculateGraphMetrics(GraphMetrics graphMetrics)
at Smrf.NodeXL.ExcelTemplate.OverallMetricCalculator2.TryCalculateGraphMetrics(IGraph graph, CalculateGraphMetricsContext calculateGraphMetricsContext, GraphMetricColumn[]& graphMetricColumns)
at Smrf.NodeXL.ExcelTemplate.GraphMetricCalculationManager.CalculateGraphMetricsAsyncInternal(CalculateGraphMetricsAsyncArgs oCalculateGraphMetricsAsyncArgs, BackgroundWorker oBackgroundWorker, DoWorkEventArgs oDoWorkEventArgs)
at Smrf.NodeXL.ExcelTemplate.GraphMetricCalculationManager.BackgroundWorker_DoWork(Object sender, DoWorkEventArgs e)
at System.ComponentModel.BackgroundWorker.OnDoWork(DoWorkEventArgs e)
Overall graph metrics
The following overall metrics get inserted into the Overall Metrics worksheet:
Graph Type
Directed or undirected
Vertices
The number of vertices in the graph.
Unique Edges
The number of edges
About duplicate edges
Refresh Graph
Help
Online
Donate
About


Microsoft Excel
Graph Metrics
Metrics to calculate and insert into the workbook:
Overall graph metrics
Vertex degree (undirected graphs only)
Vertex in-degree (directed graphs only)
Vertex out-degree (directed graphs only)
Vertex betweenness and closeness centralities
Vertex eigenvector centrality
Vertex PageRank
Vertex clustering coefficient
Vertex reciprocated vertex pair ratio (directed graphs
Edge reciprocation (directed graphs only)
Group metrics
Words and word pairs
Select All
Deselect A
Options...
Overall graph metrics
The following overall metrics get inserted into the Overall Metrics worksheet:
Graph Type
Directed or undirected.
Vertices
The number of vertices in the graph.
Unique Edges
The number of edges that do not have duplicates.
About duplicate edges
Calculate Metri
Cancel
Graph Options
Vertex Shape
Vertex Size
Edge Width
Dynamic Filters
Graph Metrics
Subgraph Images
Groups
Import
Export
Reset All
Use Current for New
Workbook Columns
Graph Elements
Show Notifications
Properties
Analysis
Options
Help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at Microsoft.Office.Interop.Excel._Workbook.get_Sheets()
at Smrf.AppLib.ExcelUtil.TryGetWorksheet(Workbook workbook, String worksheetName, Worksheet& worksheet)
at Smrf.AppLib.ExcelTableUtil.TryGetTable(Workbook workbook, String worksheetName, String tableName, ListObject& table)
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.TryGetPerWorkbookSettingsTable(ListObject& oPerWorkbookSettingsTable)
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.GetAllSettings()
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.TryGetValue(String settingName, Type valueType, Object& value)
at Smrf.NodeXL.ExcelTemplate.PerWorkbookSettings.get_WorkbookSettings()
at Smrf.NodeXL.ExcelTemplate.NodeXLApplicationSettingsBase.GetWorkbookSettings()
at Smrf.NodeXL.ExcelTemplate.NodeXLApplicationSettingsBase.CopyWorkbookSettingsToStandardSettings()
at Smrf.NodeXL.ExcelTemplate.NodeXLApplicationSettingsBase.get_Item(String propertyName)
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at Smrf.NodeXL.ExcelTemplate.GraphMetricCalculationManager.BackgroundWorker_DoWork(Object sender, DoWorkEventArgs e)
at System.ComponentModel.BackgroundWorker.OnDoWork(DoWorkEventArgs e)
at System.ComponentModel.BackgroundWorker.WorkerThreadStart(Object argument)
确定
Overall graph metrics
The following overall metrics get ins
Graph Type
Vertices
Unique Edges
About duplicate edges
Online
Donate
About
Help