What’s cooking...

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Remember UGM 2013

KNIME WebPortal Survey

Survey 2013-03-05 08.59.16
Workflow executed successfully

Your info
- Age: 40
- Sex: male
- Married: Yes

Your partner’s info
- Age: 40
- Sex: female
- Married: Yes

You have entered the following data:
- Occupation: Sales/Service
- Self-employed: No
- Income: $55000

CSV Reader
Read survey data

Partner Info
IF Switch
Page 2
End IF

Working
IF Switch
Page 4 if working
Page 5 if working
End IF

Working Details
Compare income

Not Working Details

Page 1
Participant Info
NOT Switch
No Partner Info
End Switch
Create missing info

Page 2

Page 3

Page 4 if not working

Page 4 if working

Page 5

TextArea Output
Display entered data
Remember UGM 2013

KNIME WebPortal Survey

Survey 2013-03-04 23:47:49

Page 1 of 5
Please enter some information about yourself.

Date of Birth * 05.02.73

Sex *
- male
- female

Are you married?

Back Next

Refresh Logout

CSV Reader
Read survey data

Participant Info
Page 1

Partner Info
Page 2
End IF

No Partner Info
Married?
Create missing info

Working

Working Details
Page 4 if working
Page 5 if working

Compare income

Not Working Details
Working?
Page 4 if not working

End IF
TextArea Output
Display entered data
Remember UGM 2013

Survey 2013-03-04 23.47.49

Page 2 of 5
Please enter your partner's information.

Date of Birth * 05.02.73

Sex *
- male
- female

☑ Is your partner married?

Back Next

Logout
Database / QuickForm Demo
Outline

• New Database Nodes / Ports
• Workflow Search
• JavaScript Views
Outline

• New Database Nodes / Ports
• Workflow Search
• JavaScript Views
New Database Support
New Database Support
New Database Support
New Database Support

What will change:

- **New JDBC Ports** to create specific connections
- **New SQL Nodes**: Table Select, SQL Inserter and SQL Extractor
Outline

• New Database Nodes / Ports
• Patrick Winter: Workflow Search
• JavaScript Views
Workflow Search

Patrick Winter
KNIME.com AG, Zurich Switzerland
Workflow Search View

- As view in the client
- View is a browser window
- Interface implemented in JavaScript
- Search framework implemented in Java
Index

• Using Lucene
• Relevance of results calculated by Lucene's scoring
Information in the index:

- Name
- Path
- Description
- Annotations
- Meta nodes

Nodes:
- Name
- Path
- Description
- Annotation
- Authors
- Dates
- Settings
- Annotations
- Meta nodes
Searching instantly

- Instant search:
  - See results earlier
  - No running into dead ends
    - Index is updated as soon as changes occur
Filters

Results: 0

Filters: 0

Add... Node

Node
Term
Location
Date
Range
Workflow variable
Credential
Setting

Workflows in Index: 120
Node Filters

Search for: learner

- SVM Learner
- SOTA Learner
- Polynomial Regression Learner
- Boosting Learner Loop Start
Term Filters

004003_Database_QueryBuildWithQuickforms

/004_Databases/004003_Database_QueryBuildWithQuickforms

Created 1 month ago by wiswedel, on 2013-12-16
Last modified 1 month ago by wiswedel, on 2013-12-17

The workflow queries a selected database (currently mysql or sqlite) and allows the user to select a table to print. Further options to filter the...

Annotations: 1
Nodes: 83
Date Filters
Range Filters

Range

includes Nodes  300  Maximum...

050006_ComplexSARAAnalysis

/050_Applications/050006_ComplexSARAAnalysis

Workflow was designed as part of the 5th KNIME UGM Meeting 1-3rd February 2012. Workflow details usage of a number of community nodes; ...

Annotations: 32
Nodes: 361
Exploring Results

004003_Database_QueryBuildWithQuickforms

Created 1 month ago by wiswedel, on 2013-12-16
Last modified 1 month ago by wiswedel, on 2013-12-17

The workflow queries a selected database (currently mysql or sqlite) and allows the user to select a table to print. Further options to filter the...

Annotations: 1
Nodes: 83
Contained nodes

008003_GeoIP_OpenStreetMap_Visualisation

- GeoIP database
  - CSV Reader - GeoLiteCity-Blocks
  - CSV Reader - GeoLiteCity-Location
  - Column Filter
  - Joiner
  - RowID

- Map marker appearance
  - Color Manager
  - Constant Value Column
  - Domain Calculator
  - Shape Manager
  - Size Manager

+ Randomly generate and convert IP-addresses
  - Binner (Dictionary)
  - Joiner - Join with geo-coordinates
  - OSM Map View
  - OSM Map to Image
CSV Reader

008003_GeoIP_OpenStreetMap_Visualisation/GeoIP database/CSV Reader

Reads CSV files. Use this node if the workflow is used in a server or batch environment and the input files structure...

Settings: 10

Output to:
- Joiner
Java Snippet

008003_GeoIP_OpenStreetMap_Visualisation/Randomly generate and convert IP-addresses/Java Snippet

scriptImports = // Your custom imports:
import java.util.Random;

scriptFields = // Your custom variables:

scriptBody = // Enter your code here:
Random r = new Random();
out_ipaddr = r.nextInt(255) + "." + r.nextInt(255) + "." + r.nextInt(255) + "." + r.nextInt(255);
out_count = (int) Math.pow(r.nextInt(10), r.nextInt(3));
Outline

- New Database Nodes / Ports
- Workflow Search
- Christian Albrecht: Java Script Views
Summary

- New Database Nodes / Ports
- Workflow Search
- JavaScript Views
What’s cooking?

Enjoy your lunch!