MACHINE GENERATED CONTENTS NOTE: ACKNOWLEDGEMENTS XI pdf

1: Known issues | Adobe Acrobat XI, Reader XI

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Using deep learning to learn feature representations from near-raw input has been shown to outperform traditional task-specific feature engineering in multiple domains in several situations, including in object recognition, speech recognition and text classification. With the recent advancements in neural networks, deep learning has been gaining popularity in computational creativity tasks such as music generation. There has been great progress in this field via projects such as Magenta , an open-source project focused on creating machine learning projects for art and music, from the Google Brain team, and Flow Machines , who have released an entire AI generated pop album. For those of you who are curious about music generation, you can find additional resources here. This goal of our work is to provide data scientists who are new to the field of music generation guidance on how to create deep learning models for music generation. As a sample, here is music that was generated by training an LSTM model. In this post, we show you how to build a deep learning model for simple music generation using the Azure Machine Learning AML Workbench for experimentation. Here are the most important components for a deep learning model for music generation: The data used for training the model. In this work we will use the scale-chords dataset. A meaningful vector representation of music notes. In this work we will use a piano roll representation. The deep learning model architecture for learning the task of predicting some set of musical notes, given an input of preceding musical notes. MIDI data already contains the information needed to feed the Deep Neural Network, we just need to transform it into an appropriate numeric representation to train the model. In next section discusses the details of this transformation. For this work we will use the scale-chords dataset from here. Download the dataset free small pack that contains scale chords files in MIDI format. The MIDI file consists of one or more tracks that further consist of event messages such as the following: Indicates the tempo in 8-bit words. Indicates that a note has been pressed or turned on. Indicates that a note has been released or turned off. Indicates that the track has ended. Music Theory Beat: Basic unit of time in music, a. Pitch or frequency of the note played. Input Representation Input Representation is a crucial component of any music generation system. A piano roll is simply a 2D matrix of notes vs. We use the MIDO python library to achieve this. The figure below shows a sample piano roll for notes in one octave. To do this we simply multiply the tempo beats per minute by the resolution ticks per beat and that gives us the ticks per second. Model Architecture Recurrent Neural Networks RNN are well suited for sequence prediction tasks as they can memorize long-range dependencies from input sequences using recurrent or looped connections. LSTMs are a special type of RNN that have multiplicative gates that enable them to retain memory for even longer sequences, making them useful for learning the sequential patterns present in musical data. A Sequence-to-Sequence model Seq2Seq is made up of an Encoder encode input and Decoder decode output to convert sequences from one domain, such as sentences in English, to sequences in another domain, such as the same sentences translated into French. This has been commonly used for machine translation or for freeform question answering. As in language translation, in music, the notes played during a given time period depend on several preceding notes, and Sequence-to-Sequence models are able to generate output sequences after seeing the entire input. In the figure shown above, we train the network to generate some length of music notes given some preceding notes. In order to create the training set we use a sliding window over the piano roll. Assuming a sliding window of 5, the first 5 columns are fed to the encoder as the input and the next 5 are the target which the model tries to learn. Since we are generating polyphonic music, i. Once we are done training our network, we can carry out testing that will generate some music for us. In this case, test data is fed to the encoder and the outputs from the decoder represent the music generated by the model! It should be noted that one limitation of Sequence-to-Sequence models is that they get overwhelmed when given very long inputs, and they need other sources of context such as attention in order to focus on specific parts of the input automatically. From a

higher-level perspective, the flow of data through the system looks like this: The next section walks you through how to set this up with Azure ML Workbench. Getting Started with Azure Machine Learning Azure Machine Learning provides data scientists and ML developers with a toolset for data wrangling and experimentation and it includes the following: See manage and deploy documentation. Azure ML allows you to track your run history and model metrics through the Azure ML Logging API which helps us compare different experiments and compare results visually. In this section we are going to focus on the training setup. The code for this project can be found here.

2: Cloud Integration – Configuring Scenario Using the XI Sender Adapter | SAP Blogs

To receive a message via XI protocol in Cloud Integration, you need to configure an integration flow with an XI sender adapter and you need to configure the sender backend to send the message to the endpoint the XI sender adapter of the deployed integration flow exposes in Cloud Integration.

Whereas the XI sender adapter can be used to receive messages via the XI 3. To receive a message via XI 3. Create an integration flow, connect the sender participant with the start message event and select the XI adapter. The sender gets the successfully received status as soon as the message is persisted in the temporary storage. In this case the Temporary Storage needs to be defined. The stored message can be monitored in the data store monitor. Here you define after which time a retry shall be triggered if there was an error during message processing. If the flag is selected, which I would recommend, the retry interval is doubled after each unsuccessful retry. Here you enter the limit to avoid endless increase of the retry interval caused by the exponential backoff setting. This field is only available is Exponential Backoff is selected. Encrypt Message During Persistence: However, the drawback is that this setting reduces the performance slightly. Note that no configuration option is available for dead-letter queue handling. If the data store is used as temporary storage the out-of-memory handling is always active. You should select this option to handle potential out-of-memory situations caused by large messages. You define if the message is to be encrypted in the data store during temporary storage. Note that this is recommended for sensitiv data but it reduces the performance slightly. In Transaction Handling drop down select Not Required. But you can use any other adapter as well. Deploy the Integration Flow Now you can deploy the integration flow. Afterwards, check if the integration flow was started successfully in the Manage Integration Content monitor. For this check the Endpoints tab in the Manage Integration Content monitor. Define the target host and path prefix according to the endpoint URL you copied from the Endpoints tab. The path prefix is composed according to the following pattern: If Basic Authentication is to be used, enter User and Password. Test the connection using the Connection Test button. This is because we did not send a payload along with the request. But as already mentioned, you can also use any other interface available in your backend to try this out. In the Test Service Consumer dialog leave the settings as they are and select Execute: The request is sent to the Cloud Integration tenant. You can now monitor the processing as described in the next section. Furthermore, check in Cloud Integration monitoring that the two message was processed. More details about the monitoring in Cloud Integration can be found below in the Monitoring section. Test the Whole E2E Scenario If you started with the flight booking scenario using the XI receiver adapter, you can now test the whole end-to-end scenario. Monitoring To check the processing in Cloud Integration detail, you can use the monitoring tools provided by Cloud Integration. Message Monitoring Message processing can be checked in detail in the section Monitor Message Processing. Select the message you sent and check the processing status. The detailed error information is available under the link Message Processing Log. During successful processing, the messages are removed immediately after the processing was completed. In case of an error, the messages are kept in the data store to trigger the retry from there. The used data store name is auto-generated according to the following pattern: In the monitor all messages are listed with a status. Status Waiting means that the message waits for consumption. Status Overdue indicates that the message was not consumed and processed in the due time, which is 2 days in case of the XI adapter. This is because data stores are created on the fly in message processing if required and removed after the last message was removed from data store. So, see this section more as additional information. The entry will be generated with the following parameters: Afterwards you can delete the message in the Data Store monitor and then also delete the lock in the Manage Locks monitor. During successful processing the messages are removed immediately after the processing was completed. The used JMS queue name is auto-generated according to the following pattern: Status Failed indicates that the last processing or retry of the message ended with an error. See dead-letter queue handling above. Important Considerations and Limitations When using the XI adapter, there are some very important facts you need to be aware of: As the adapter stores messages for retry in case of an error either in a JMS queue or in the Data

Store, you need to keep in mind that changing this setting for an already running scenario may cause loss of data. This is because there can still be messages in the old storage, which will not be retried anymore after the storage changed. Because of this, be very careful with such changes in productive scenarios. Because of this be very careful with such changes in productive scenarios. With the September update you have the option to move all messages from one JMS queue to another, if required. This option would help you in case you urgently need to change the channel or participant name or if you have done it without knowing the constraint that a new queue would be generated. All messages of the old queue are now moved to the new one. Note that there is currently no such move option for the data store. The blog will be updated as soon as this is available. Because of this it is crucial that you define the correct transaction handler: For the XI sender adapter no transaction handler is required. Nevertheless in runtime no retry is executed anymore. That means if the sender system sends the same message multiple times, the XI adapter forwards those as multiple messages. The blog will be updated regularly with the new features.

3: how to trace de import wizard? on BusinessObjects XI

For XI , PI 7.x and PI x releases, the content is downloaded in *.zip format. Simply extract the *tpz files from the zip archive. For PI x release, the content is delivered in *sda format.

I took an example custom Idoc which has already been developed to explain the concept of handling Acknowledgements. I am providing the necessary details here before proceeding to the actual concept Sender System: Transfers the records created with the help of a report program and updates the database table of the target system. For this scenaio, now we are going to see how we can handle the acknowledgement. Sender creates an Outbound Idoc and this particular Idoc is received by the receiver as an Inbound Idoc and receiver system processes the Idoc, it updates the database tables. Now, Sender system would never know what happened to the document that it has passed to the receiver. So, to make sure that the receiver had posted the application document in the necessary database tables, we would need an Acknowledgement. Now, this particular Ack Idoc would behave as an outbound Idoc from the receiver system of the actual Idoc to the sender system of the actual Idoc. This is the place where we are using the port that we have created in the receiver system. Select the Output mode as Transfer Idoc immediately Though it is optional, you can collect all the Idocs and process them using a job. Now, make similar settings in the sender system. The actual process code settings that we need to do after adding the message type ALEAUD in the inbound parameters is shown below Since you are using the standard message type, no need to write a function module to process these Ack Idocs. Even the process code that we are using is a standard one. Save the screen now which is very important To generate partner profiles, go to the menu Environment and click on Generate Partner Profiles and execute the below screen. After executing the above screen you would see that the partner profiles created. Items marked in the green color are the ones which are created automatically. A standard message type SYNCH always gets generated and you can check the same in the partner profiles. Testing the Idoc by running the Application Program: Now execute the above screen and you would see the output saying the Idoc number generated as shown below Now, Go to WE05 transaction and see the above Idoc. In the above screen the very last one is the Idoc that has been created now. Let us open the Idoc and verify the contents as shown below. In the above screen, the final status of the Idoc is It means that, the Idoc has gone to the destination system. But, we do not know whether the Idoc has been processed there or not. Now, let us go to the target system and check whether this particular Idoc has been converted in to an Inbound Idoc to get posted in the target database. Execute WE05 transaction in the target system and see the Idoc. Based on the time, the last Idoc that has been processed should be the Idoc that has been created. The Idoc is selected for the reference. Let us open the Idoc and see whether the contents of the Outbound Idoc of Sender are same as the contents of the Inbound Idoc in the target system. You can see that content of the Idoc is same and as the status of the Idoc is in 53, we can confirm that the Idoc has been posted in the target database. Let us verify that by opening the database table in the target system. We can see that the record has been updated in the target database. This ends the Idoc posting. But, in the view of Sender as the Outbound Idoc is in 03 status, Sender would never know what happened to the Idoc in the target system. In our case, let us run the job manually to send the Audit data back to the sender system The job has finished and the spool shows that there is an Idoc with the message type ALEAUD that has been generated as shown below. Now, go to the Sender system and check the status of the Idoc it should have been changed to 41 Final Status of any Outbound Idoc as the Idoc has been posted successfully here in the target system. Go to sender system and open WE05 transaction. In the above screen, you can clearly see that all the Idocs have been changed to the status You can see the same for our Idoc in the below screen. This ends the way of handling Idoc Acknowledgements.

We have an application developed using VS www.enganchecubano.com with Crystal reports (Crystal Reports XI R2). When this application is deployed on Win 32 bit machine it worked fine, but when deployed on windows 64 bit machine, crystal reports are not getting generated.

Ever seen someone wearing an interesting outfit and wonder where you could buy it yourself? As online shopping and photo-sharing become ever more widely used, the use of user generated content UGC in marketing strategies has become pivotal in driving traffic and increasing sales for retailers. A key value proposition for UGC content such as images and videos is their authenticity when compared to professional content. However, this is also why working with UGC content can be more difficult as there is much less control over how the content looks or how it was generated. Microsoft has been using deep learning for e-commerce visual search and inventory management using content-based image retrieval. Both efforts demonstrate solutions for the in-shop clothes retrieval task, where the query image and target catalog image are taken in a shop in relatively controlled settings. In this blog post we discuss how to build a deep learning model to match consumer images of outfits to identical or similar items in an online store directory using Microsoft AI tools. This task is commonly known as consumer-to-shop or street-to-shop clothes retrieval. Architecture diagram showing Microsoft AI platform tools used to build, train and deploy our model for cross-domain visual search. Problem Definition In the consumer-to-shop clothes retrieval task, we try to match an image taken by a user a form of UGC content to an image of the same garment taken in a controlled setting, usually by a professional photographer. The images taken by users are taken on smartphones and tend to be of lower quality compared to professionally created shop catalog images. Specifically, for every new input UGC image, we want to return a list of k most similar shop images to our query image and obtain a perfect product match within our k results. A distance metric is computed between the query image and all images in a store catalog, which is then used to sort the k most similar images. Data We used a subset of the Deep Fashion dataset which specifically contains UGC images and store catalog images for various clothing products across different clothing categories. We used four major garment categories within which we performed our experiments. Number of consumer and shop images across categories. Examples of consumer and shop images are shown in Figures 3 and 4, respectively. These examples demonstrate the complexity of the task of having to match the pattern without necessarily matching the color. L-R Images 1 and 2 are example consumer images of a garment and images 3 and 4 are shop images for the same image. As can be seen in Figure 3, shop images tend to have higher quality and the entire garment is in the center of the picture. One challenge with the consumer dataset is that every image has only one correct product id and so garments that that may be very similar might still be very different products, resulting in low accuracy scores. To account for this, we use the top-k accuracy metric, also used in related garment similarity matching work. L-R Leftmost figure shows consumer image. Images 2 and 3 show correct shop images for that consumer image and Images 4 and 5 show shop images for another product that look almost identical. We used the t-SNE technique to visualize the data from extracted features of consumer images using pre-trained ImageNet models shown in Figure 5 below. Images of pants are clustered around the bottom-right and the skirts are clustered around the top-right. Images on the left are consumer images with human legs while those on the right are images against flat surfaces. Approach We tried three different approaches for this problem: Siamese networks using pre-trained CNN features. Each of these approaches is described in detail below. White-Box Features Our first method used white-box image extractors that have been historically used in computer vision. Once extracted, the features are concatenated to create a multi-feature representation for each image. The following features were extracted for our purposes. Histogram of Oriented Gradients HOG which counts occurrences of gradient orientations in localized portions of images. Color Histograms with 25 color bins that represents the distribution of color in an image. Color Coherence the degree to which pixels of a color are members of large similarly colored regions. Since color is such an important feature of clothing, this extractor was used to supplement the color histogram. Harris Corner Detection to extract corners from an image. We compute the K-Nearest neighbors

for each consumer image using the white-box features and experiment with different standard metric distances L1, L2, Cosine. The results are shown below: Category wise performance of white-box features using different distance measures. We use the activations of the layers toward the end of the network as our feature representations. The layers and number of parameters used in each of the afore-mentioned architectures is shown below.

5: William F. Friedman - Wikipedia

Acknowledgements The completion of a doctoral dissertation is a great achievement for me and could not have been possible without the help and support from many individuals.

Adobe FormsCentral and installation Before installing, it could be necessary to delete the following folders: Uninstall any previous prerelease build of Acrobat XI before installing the released version. If installation is done via setup. If you are not installing via MSI, then follow the instructions below for a user interface-based install. Select the language in the Language Selection dialogue and click OK. The installer computes disc space requirements and checks for previous versions. The License Screen appears. Enter your serial number or install in Trial Mode. If you purchased a subscription option, you are directed to the Trial Mode installation workflow. Choose your installation level default is Typical and click Next. Change the Installation Directory if desired , otherwise the default directory is visible. Click Install; installation now proceeds. If there are processes running that conflict with the installation, the installer prompts you to stop these processes before you can continue the installation. Close the processes and then click in the installer to continue the installation. Acrobat can now be launched. If you did not enter a serial number during installation, the Sign In Required screen appears. Enter the Adobe ID credentials. If you did enter a serial number during installation, the Register screen appears. On the Register screen, enter the Adobe ID credentials. Application user interface language During installation, you select the language you want installed. Be sure to select the language that you purchased. If you encounter a language mismatch, uninstall Acrobat and reinstall for the language that you purchased. After you change the language, exit and relaunch Acrobat for the preference to take effect. If your licensing allows all languages, you can add or remove languages by following these steps: Select Modify and add or remove languages. Acrobat serial number language is English only and the operating system language is non-English, for example, French operating system and English serial number. Acrobat was never launched for the current user. The installation of Acrobat was done via command line and not via a UI install. Launch Acrobat at least once before printing to PDF to resolve the issue for this user on this machine. Acrobat for Mac OS installation and uninstallation Use the following instructions to install software or to upgrade from a previous version. If you purchased Acrobat as a download, Adobe recommends that you back up your download package, preferably to a DVD. Click Continue when you see the ReadMe file. The License Screen displays and requests you to enter your serial number. If you are entering a serial number, be sure that the machine is connected to the Internet. Installing in Trial mode allows you to use the software for the Trial period of 30 days from first launch. Enter the serial number for your copy of the program. You can also locate the serial number for individually licensed ESD purchases in your online order history at http: The serial number for purchases made through the Adobe Licensing Website is available in your record at http: The next screen is the Installation Type screen. You can select or deselect the product components you want to install and you can also change the installation path. Click Install when ready. When prompted, enter your administrative credentials for the installation to proceed. Once installation has finished, click Finish. Go to this directory and launch Acrobat. After Acrobat launches accept the end-user license agreement. If you entered a serial number during installation, see step 12 below. Provide the details as asked. Follow the instructions to complete the creation process. If you entered a serial number during installation, the Register screen appears. On the Register screen enter, your Adobe ID credentials. Follow the instructions to complete the Adobe ID creation and registration process. You can optionally press Skip. Connect to the Internet to activate your copy of the software. Activating your copy is required within 30 days. After 30 days, the software stops working. This problem can appear if you have any products installed from CCM or from Creative Suite and you tried installing Acrobat XI from a different source. If it is a CS application, launch it and reactivate it. Follow the onscreen instructions to uninstall Acrobat. When prompted, enter your administrative credentials for the uninstallation to proceed. The uninstaller removes only Adobe Acrobat XI files from the system. Known issues Accessibility Problem: Press the spacebar or use the mouse. Turn off Protected Mode. Another workaround would be to turn off Protected Mode. This issue happens with IE, Firefox, and Chrome. This issue

also happens with previous releases of Acrobat and Reader. On Windows, select Firefox and from the Firefox menu. On Macintosh, select Firefox and from the Firefox menu. This issue is not reproducible on Mac OS X Acrobat and Reader 11 do not support Application streaming mode on Citrix. The solution is to upgrade to Internet Explorer 8. If third-party plug-ins are installed, such as PitStop 11, Acrobat can crash when saving files to Acrobat. When you install or launch Acrobat the dialog No Internet Connection can appear. Select Offline Activation and follow the steps to generate a request code to complete offline activation. Mac Installer fails to install if the start volume is case-sensitive. This issue is Windows-only. Acrobat 11 Only - Problem: Even when the registration is suppressed and the EULA has been accepted, Acrobat needs to be opened at least once for a PDF to open directly on double-clicking. Newly found in You could see an error message but you can still launch Acrobat Then, when you upgrade to The upgrade to Next, open a terminal window and type the following: Check the "open in Low Resolution" setting again. An enterprise may not want users to have to activate their copy of Acrobat or to enter the Adobe ID. A related situation is where the machine is not connected to the Internet. For information on the Customization wizard, see the Enterprise Admin Guide. If you have an authenticating proxy on the system, there is no way to provide the user name and password through the APTEE provisioning tool. It fails to validate the serial number. Use an offline exception. On the Windows platform, the invalid signature error is not reported. When the PDF is reopened, clicking the Publish Comments button shows that " comments deleted" with " " showing the number of stamps present in the document. Enhanced Security and Internet Explorer Problem: Windows Server Security prompt showing that content coming from a website is blocked by Internet Explorer Enhanced Security Configuration is not being shown when the Sign In dialog appears while signing in. The result is that no security prompt appears. You cannot remove existing trusted sites or add a website to the existing list. Open the Preferences dialog box in CHC. Disconnect from the Internet. The browser hangs arh.

6: Fractals/Mathematics/group/Binary adding machine - Wikibooks, open books for an open world

Note: I took an example custom ldoc which has already been developed to explain the concept of handling Acknowledgements. I am providing the necessary details here before proceeding to the actual concept.

Early life[edit] Friedman was born Wolf Friedman Yiddish: Meanwhile, George Fabyan , who ran a private research laboratory to study any personally interesting project, decided to set up his own genetics project and was referred to Friedman. As head of the Department of Genetics, one of the projects he ran studied the effects of moonlight on crop growth, and so he experimented with the planting of wheat during various phases of the moon. The research was carried out by Elizabeth Wells Gallup. Friedman had become something of an expert photographer while working on his other projects, and was asked to travel to England on several occasions to help Gallup photograph historical manuscripts during her research. He became fascinated with the work as he courted Elizebeth Smith , Mrs. During this time, Friedman wrote a series of 23 papers on cryptography, collectively known as the "Riverbank publications", including the first description of the index of coincidence , an important mathematical tool in cryptanalysis. No Federal department existed for this kind of work although both the Army and Navy had had embryonic departments at various times , and soon Riverbank became the unofficial cryptographic center for the US Government. During this period, the Friedmans broke a code used by German -funded Indian radicals in the US who planned to ship arms to India to gain independence from Britain. Analysing the format of the messages, Riverbank realized that the code was based on a dictionary of some sort, a cryptographic technique common at the time. The Friedmans soon managed to decrypt most of the messages, but only long after the case had come to trial did the book itself come to light: Signals Intelligence Service[edit] The United States government decided to set up its own cryptological service, and sent Army officers to Riverbank to train under Friedman. To support the program, Friedman wrote a series of technical monographs, completing seven by early He then enlisted in the Army and went to France to serve as the personal cryptographer for General John J. He returned to the US in and published an eighth monograph, "The Index of Coincidence and its Applications in Cryptography", considered by some to be the most important publication in modern cryptography to that time. His texts for Army cryptographic training were well thought of and remained classified for several decades. In he became chief cryptanalyst for the War Department and later led the Signals Intelligence Service SIS â€"a position he kept for a quarter century. In , after The American Black Chamber in New York City was disbanded, its files were entrusted to SIS, and the cryptographic and intelligence services was reorganized to suit its new position at the War Department. Friedman coined several terms, including " cryptanalysis ", and wrote many monographs on cryptography. One of these written mostly in his spare time was the first draft of his Elements of cryptanalysis, which later was expanded to four volumes and became the U. They were Solomon Kullback , Frank Rowlett and Abraham Sinkov , each of whom went on to distinguished service for decades. In addition he also was finally able to hire a man fluent in Japanese, John Hurt. During this period Elizebeth Friedman continued her own work in cryptology, and became famous in a number of trials involving rum-runners and the Coast Guard and FBI during Prohibition. This system offered such security and simplicity of use that Hebern heavily promoted it to investors. Over a period of years, he developed principles of analysis and discovered several problems common to most rotor-machine designs. Examples of some dangerous features included having rotors step one position with each keypress, and putting the fastest rotor the one that turns with every keypress at either end of the rotor series. In this case, by collecting enough ciphertext and applying a standard statistical method known as the kappa test , he showed that he could, albeit with great difficulty, crack any cipher generated by such a machine. Friedman used his understanding of rotor machines to develop several that were immune to his own attacks. At least one patent related to it was finally granted after Friedman had died. In , the Japanese introduced a new cipher machine for their most sensitive diplomatic traffic, replacing an earlier system that SIS referred to as "RED. Leo Rosen of SIS built a machine â€" as was later discovered, using the identical model of switch that the Japanese designer had chosen. One such intercept was the message to the Japanese Embassy in Washington, D. The message gave a clear indication of impending war , and was to have

been delivered to the US State Department only hours prior to the attack on Pearl Harbor. The controversy over whether the US had foreknowledge of the Pearl Harbor attack has roiled well into the 21st century. Prescott Currier and Lt. Robert Weeks from the U. Friedman produced a classic series of textbooks, " Military Cryptanalysis ", which was used to train NSA students. Callimahos , and used to train many additional cryptanalysts. During his early years at NSA, he encouraged it to develop what were probably the first super-computers, although he was never convinced a machine could have the "insight" of a human mind. Friedman spent much of his free time trying to decipher the famous Voynich Manuscript , written sometime between â€" However, after four decades of study he finally had to admit defeat, contributing no more than an educated guess as to its origins and meaning. Together they wrote a book entitled The Cryptologist Looks at Shakespeare which won a prize from the Folger Library and was published under the title The Shakespearean Ciphers Examined. Marshall Foundation , which also has had material reclassified and removed by the NSA. Friedman and his wife Elizebeth are buried in Arlington National Cemetery. Friedman has the distinction of having one of the longest known suppressed patent applications, for U. Patent 6,, , a patent for a "cryptographic system". It was filed on July 25, , issued on August 1, Schoen shares a significant background and personality traits with Friedman, including being one of the top cryptanalysts of the U.

7: Fermi–Pasta–Ulam–Tsingou problem - Wikipedia

Contents Preface xi 8 Machine Learning with Weka activities that do not generate revenue. Acknowledgements.

Statistical Functions Module overview This article describes how to use the Replace Discrete Values module in Azure Machine Learning Studio, to generate a probability score that can be used to represent a discrete value. This score can be useful for understanding the information value of the discrete values. You select a column that contains the discrete or categorical value, and then select another column to use for reference. Depending on whether the second column is categorical or non-categorical, the module computes one of the following values: The conditional probability for the second column given the values in the first column. The mean and standard deviation for each group of values in the first column. The module outputs both a dataset with the scores, and a function that you can save and apply to other datasets. How to configure Replace Discrete Values Tip We recommend working with only one pair of columns at a time. The module does not raise an error if you select multiple columns to analyze. However, in practice, if you choose multiple columns, they are matched by an internal heuristic, not by order of selection. Therefore, we recommend that you select a single pair of columns each time, one for Discrete columns and one for Replacement columns. If you need to generate scores for multiple columns, use separate instances of Replace Discrete Values. Add the Replace Discrete Values module to your experiment. You can find this module in the Statistical Functions group in the experiment items list in Azure Machine Learning Studio. Connect a dataset containing at least one column of categorical data. Click Launch column selector to choose a column that contain discrete or categorical values. Any discrete columns that you select must be categorical. If you get an error, use the Edit Metadata module to change the column type. Click Launch column selector to choose the column that contains the values to use in computing a replacement score. If you select multiple columns for Discrete columns, you must choose an equal number of replacement columns. Note You cannot choose which statistical function to apply. The module calculates an appropriate measure, based on the data type of the column selected for Replacement column. Results The module computes one of the following values for each pair of columns: If the second column contains categorical values, the module computes the conditional probability of the second column, given the values in the first column. For example, assume you chose occupation from the Census dataset as the discrete column and choose gender as the replacement column. The output of the module would be the: P gender occupation If the second column contains non-categorical values that can be converted to numbers such as numeric or Boolean values not marked as categorical , the module outputs the mean and standard deviation for each group of values in the first column. For example, assume you use occupation as the Discrete column and the other column is the numeric column hours-per-week. The module would output these new values: Mean hours-per-week occupation Std-Dev hours-per-week occupation In addition to the probability scores, the module also outputs a transformed dataset. In this dataset, the column selected as the Replacement columns is replaced with a column containing the computed scores. Tip The columns in the source dataset are not actually changed or deleted by the operation; the score columns are new ones generated by the module and output instead of the source data. To view the source values together with the probability scores, use the Add Columns module. Examples The usage of Replace Discrete Values can be illustrated by some simple examples. When you use Replace Discrete Values, it calculates a conditional probability score for the probability of Y given X, as shown in the third column.

8: 轮机学, 豪士 [WorldCat Identities]

Machine generated contents note: Preface xi -- Acknowledgments xiii -- 1 Introduction I -- Hybridization 1 -- Affymetrix GeneChip Technology 3 -- Spotted Arrays 6 -- Serial Analysis of Gene Expression (SAGE) 8 -- Example: Affymetrix vs. Spotted Arrays 9 -- Summary 11 -- Further Reading 13 -- 2 Overview of Data.

9: Handling Idoc Acknowledgements - ABAP Development - SCN Wiki

greatest common divisor (GCD) circuit, which you should have generated in Tutorial 3. Switching informa- tion will be provided by the vcd le generated during gate-level simulation in Tutorial 4.

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