Comparación modelos HuggingFace con 10 artículos

Modelo 1: <https://huggingface.co/Jean-Baptiste/camembert-ner>

Modelo 2: <https://huggingface.co/dslim/bert-large-NER>

## Object Detection with Pixel Intensity Comparisons Organized in Decision Trees:

## 

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Sweden |  | Linköping |  |
|  | Republic of Croatia |  | Visage Technologies AB |  |
|  |  |  | European Union |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Linköping |  | Visage Technologies AB |  |
|  | Sweden |  | Ministry of Science, Education and Sports of |  |
|  | Republic of Croatia |  | European Union |  |

## Acceleration of atomic dynamics due to localized energy depositions under X-ray irradiation:

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | TRA III |  | PE | Gero Vogl |
|  |  |  | Austrian Science Fund | Michael Sprung |
|  |  |  | FWF |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | PETRA III | Austrian Science Fund | Gero Vogl |
|  |  |  | FWF | Michael Sprung |
|  |  |  |  |  |

## Joint theoretical and experimental study on elastic electron scattering from bismuth:

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Spa |  | nish Ministerio de Ciencia, Innovación y Universidades | Dr. L. Campbell |
|  | Republic of Serbia |  | CSIC |  |
|  | Republic of Srpska |  | Australian Research Council |  |
|  | Bosnia |  | Ministry of Education, Science and Technological Development |  |
|  | Herzegovina |  | Ministry of Scientific and Technological Development, Higher Education and Information Society |  |
|  |  |  |  |  |
|  |  |  |  |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Republic of Serbia | Spanish | Ministerio de Ciencia, Innovación y Universidades | L. Campbell |
|  | Republic of Srpska |  | F |  |
|  | Bosnia |  | CSIC |  |
|  | Herzegovina |  | LIN |  |
|  |  |  | Australian Research Council |  |
|  |  |  | Ministry of Education, Science and Technological Development |  |
|  |  |  | O |  |
|  |  |  | Ministry of Scientific and Technological Development, Higher Education and Information Society |  |

## Renewable energy in Europe — 2020; Recent growth and knock-on effects:

## 

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | ito | e change Mitigation and Energy | European Environment Agency | Ils Moorkens |
|  | EEA | ETC/CME | EEA | Mihai Tomescu |
|  |  |  | European Topic Centre Climat | Merce Almuni |
|  |  |  | ETC/ | Tom Dauwe |
|  |  |  | European institutes | Ils Moorkens |
|  |  |  | EEA | Risto Juhana Saarikivi |
|  |  |  | European Union | Mihai Tomescu |
|  |  |  | EU | Javier Esparrago |
|  |  |  | ETC/CME | Adrian Whiteman |
|  |  |  | Vito | Wolfgang Schöpp |
|  |  |  | V | Janusz Cofala |
|  |  |  | V |  |
|  |  |  | CHMI |  |
|  |  |  | EEA |  |
|  |  |  | International Renewable Energy Agency |  |
|  |  |  | IRENA |  |
|  |  |  | Eurostat |  |
|  |  |  | IIASA |  |
|  |  |  | EEA |  |
|  |  |  | ETC/CME |  |
|  |  |  | EEA |  |
|  |  |  | EEA |  |
|  |  |  | ETC/CME |  |
|  |  |  | European Commission |  |
|  |  |  | Joint Research Centre |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | European | European Environment Agency | Il |
|  |  | SH | EEA | s Moorkens |
|  |  | ES | European Topic Centre of Climate change Mi | Mi |
|  |  | GA | gation and Energy | hai Tomescu |
|  |  |  | ETC/CME | Me |
|  |  |  | ETC/CME | rce Almuni |
|  |  |  | EEA | Tom Dauwe |
|  |  |  | European Union | Il |
|  |  |  | EU | s Moorkens |
|  |  |  | ETC/CME | R |
|  |  |  | EEA | isto Juhana Saarikivi |
|  |  |  | Vito | Mi |
|  |  |  | Vito | hai Tomescu |
|  |  |  | Vito | Javier Esparrago |
|  |  |  | CHMI | Adrian Whiteman |
|  |  |  | EEA | Wolfgang Schöpp |
|  |  |  | EEA | Janus |
|  |  |  | International Renewable Energy Agency | z Cofala |
|  |  |  | IRENA |  |
|  |  |  | Eurostat |  |
|  |  |  | IIASA |  |
|  |  |  | EEA |  |
|  |  |  | ETC/CME |  |
|  |  |  | EEA |  |
|  |  |  | EEA |  |
|  |  |  | ETC/CME |  |
|  |  |  | European Commission |  |
|  |  |  | Joint Research Centre |  |

### Interplay of SpkG kinase and the Slr0151 protein in thephosphorylation of ferredoxin 5 in Synechocystis sp.strain PCC 6803:

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | People Programme | Marie Curie Actions | AZ |
|  |  | ’s Seventh Framework Programme | European Union | Dalton Carmel |
|  |  | REA Grants Agreement | European Union | Synechocystis |
|  |  | of Finland Project | Academy of Finland Centre of Excellence Project |  |
|  |  |  | Academy |  |
|  |  |  | EMA |  |
|  |  |  | Russian Science Foundation |  |
|  |  |  | Turku University Foundation |  |
|  |  |  | Turku Proteomics Facility |  |
|  |  |  | University of Turku |  |
|  |  |  | Abo Akademi University |  |
|  |  |  | Biocenter Finland |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | s | People Programme | Dalton Carmel |
|  |  | Seventh Framework Programme | Marie Curie Action |  |
|  |  | Synechocystis | European Union |  |
|  |  |  | EA |  |
|  |  |  | European Union |  |
|  |  |  | Academy of Finland Centre of Excellence |  |
|  |  |  | Academy of Finland Project |  |
|  |  |  | E |  |
|  |  |  | Russian Science Foundation |  |
|  |  |  | Turku University Foundation |  |
|  |  |  | Turku Proteomics Facility |  |
|  |  |  | University of Turku |  |
|  |  |  | Abo Akademi University |  |
|  |  |  | Biocenter Finland |  |

## PRISM: a web server and repository for prediction ofprotein–protein interactions and modeling their 3D complexes:

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Turkey |  | National Cancer Institute |  |
|  |  |  | National Institutes of Health |  |
|  |  |  | NIH |  |
|  |  |  | Intramural Research Program of the NIH |  |
|  |  |  | National Cancer Institute |  |
|  |  |  | Center for Cancer Research |  |
|  |  |  | Scientific and Technological Research Council of |  |
|  |  |  | TUBITAK |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  |  | National Cancer Institute |  |
|  |  |  | National Institutes of Health |  |
|  |  |  | NIH |  |
|  |  |  | Intramural Research Program of the NIH |  |
|  |  |  | National Cancer Institute |  |
|  |  |  | Center for Cancer Research |  |
|  |  |  | Scientific and Technological Research Council of Turkey |  |
|  |  |  | TUBITAK |  |

## A Scalable t-wise Coverage Estimator:

## 

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | USA | EU H2020 project Serums | National Science Foundation |  |
|  | Singapore | NRF Fellowship Programme | National Research Foundation |  |
|  | Singapore | AI Singapore Programme | National Research Foundation |  |
|  |  | AIS |  |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Singapore | 2020 | EU |  |
|  |  | NRF Fellowship Programme | National Science Foundation USA |  |
|  |  |  | NSF |  |
|  |  |  | National Research Foundation Singapore |  |
|  |  |  | AI Singapore Programme |  |
|  |  |  | National Research Foundation |  |

## Nine best practices for research software registries and repositories:

## 

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | FORCE11 Software Citation Implementation | Task Force | Daniel Garijo |
|  |  | Best Practices for Software Registries | Working Group | Lorraine Hwang |
|  |  |  | Task Force on | Hervé Ménager |
|  |  |  | SciCodes Consortium | Alice Allen |
|  |  |  |  | Michael Hucka |
|  |  |  |  | Thomas Morrell |
|  |  |  |  | Ana Trisovic |
|  |  |  |  | Alain Monteil |
|  |  |  |  | Alejandra Gonzalez-Beltran |
|  |  |  |  | Alexandros Ioannidis |
|  |  |  |  | Alice Allen |
|  |  |  |  | Allen Lee |
|  |  |  |  | Andre Jackson |
|  |  |  |  | Bryce Mecum |
|  |  |  |  | Caifan Du |
|  |  |  |  | Carly Robinson |
|  |  |  |  | Daniel Garijo |
|  |  |  |  | Daniel Katz |
|  |  |  |  | Genevieve Milliken |
|  |  |  |  | Hervé Ménager |
|  |  |  |  | Jurriaan Spaaks |
|  |  |  |  | Katrina Fenlon |
|  |  |  |  | Kristin Vanderbilt |
|  |  |  |  | Lorraine Hwang |
|  |  |  |  | Michael Hucka |
|  |  |  |  | Neil Chue Hong |
|  |  |  |  | P. Wesley Ryan |
|  |  |  |  | Peter Teuben |
|  |  |  |  | Shelley Stall |
|  |  |  |  | Stephan Druskat |
|  |  |  |  | Ted Carnevale |
|  |  |  |  | Thomas Morrell |
|  |  |  |  | Alain Monteil |
|  |  |  |  | Alejandra Gonzalez-Beltran |
|  |  |  |  | Alexandros Ioannidis |
|  |  |  |  | Alice Allen |
|  |  |  |  | Allen Lee |
|  |  |  |  | Ana Trisovic |
|  |  |  |  | Anita Bandrowski |
|  |  |  |  | Bruce Wilson |
|  |  |  |  | Bryce Mecum |
|  |  |  |  | Carly Robinson |
|  |  |  |  | Celine Sarr |
|  |  |  |  | Colin Smith |
|  |  |  |  | Daniel Garijo |
|  |  |  |  | David Long |
|  |  |  |  | Harry Bhadeshia |
|  |  |  |  | Hervé Mé nager |
|  |  |  |  | Jeanette M. Sperhac |
|  |  |  |  | Joy Ku |
|  |  |  |  | Jurriaan Spaaks |
|  |  |  |  | Kristin Vanderbilt |
|  |  |  |  | Lorraine Hwang |
|  |  |  |  | Matt Jones |
|  |  |  |  | Mercé Crosas |
|  |  |  |  | Michael R. Crusoe |
|  |  |  |  | Mike Hucka |
|  |  |  |  | Ming Fang Wu |
|  |  |  |  | Morane Gruenpeter |
|  |  |  |  | Moritz Schubotz |
|  |  |  |  | Olaf Teschke |
|  |  |  |  | Pete Meyer |
|  |  |  |  | Peter Teuben |
|  |  |  |  | Piotr Sliz |
|  |  |  |  | Sara Studwell |
|  |  |  |  | Shelley Stall |
|  |  |  |  | Ted Carnevale |
|  |  |  |  | Tom Morrell |
|  |  |  |  | Tom Pollard |
|  |  |  |  | Wolfram Sperber |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | FORCE11 | SciCodes Consortium | Daniel Garijo |
|  |  | Software Citation Implementation Working Group |  | Lorraine Hwang |
|  |  | Task Force on Best Practices for Software Registries |  | Hervé Ménager |
|  |  |  |  | Alice Allen |
|  |  |  |  | Michael Hucka |
|  |  |  |  | Thomas Morrell |
|  |  |  |  | Ana Trisovic |
|  |  |  |  | Alain Monteil |
|  |  |  |  | Alejandra Gonzalez-Beltran |
|  |  |  |  | Alexandros Ioannidis |
|  |  |  |  | Alice Allen |
|  |  |  |  | Allen Lee |
|  |  |  |  | Andre Jackson |
|  |  |  |  | Bryce Mecum |
|  |  |  |  | Caifan Du |
|  |  |  |  | Carly Robinson |
|  |  |  |  | Daniel Garijo |
|  |  |  |  | Daniel Katz |
|  |  |  |  | Genevieve Milliken |
|  |  |  |  | Hervé Ménager |
|  |  |  |  | Jurriaan Spaaks |
|  |  |  |  | Katrina Fenlon |
|  |  |  |  | Kristin Vanderbilt |
|  |  |  |  | Lorraine Hwang |
|  |  |  |  | Michael Hucka |
|  |  |  |  | Neil Chue Hong |
|  |  |  |  | P. Wesley Ryan |
|  |  |  |  | Peter Teuben |
|  |  |  |  | Shelley Stall |
|  |  |  |  | Stephan Druskat |
|  |  |  |  | Ted Carnevale |
|  |  |  |  | Thomas Morrell |
|  |  |  |  | Alain Monteil |
|  |  |  |  | Alejandra Gonzalez-Beltran |
|  |  |  |  | Alexandros Ioannidis |
|  |  |  |  | Alice Allen |
|  |  |  |  | Allen Lee |
|  |  |  |  | Ana Trisovic |
|  |  |  |  | Anita Bandrowski |
|  |  |  |  | Bruce Wilson |
|  |  |  |  | Bryce Mecum |
|  |  |  |  | Carly Robinson |
|  |  |  |  | Celine Sarr |
|  |  |  |  | Colin Smith |
|  |  |  |  | Daniel Garijo |
|  |  |  |  | David Long |
|  |  |  |  | Harry Bhadeshia |
|  |  |  |  | Hervé Mé nager |
|  |  |  |  | Jean |
|  |  |  |  | ette M |
|  |  |  |  | Sperhac |
|  |  |  |  | Joy Ku |
|  |  |  |  | Jurriaan Spaaks |
|  |  |  |  | Kristin Vanderbilt |
|  |  |  |  | Lorraine Hwang |
|  |  |  |  | Matt Jones |
|  |  |  |  | Mercé Crosas |
|  |  |  |  | Michael R |
|  |  |  |  | Crusoe |
|  |  |  |  | Mike Hucka |
|  |  |  |  | Ming Fang Wu |
|  |  |  |  | Morane Gruenpeter |
|  |  |  |  | Mo |
|  |  |  |  | ritz Schubotz |
|  |  |  |  | Olaf Teschke |
|  |  |  |  | Pete Meyer |
|  |  |  |  | Peter Teuben |
|  |  |  |  | Piotr Sliz |
|  |  |  |  | Sara |
|  |  |  |  | Studwell |
|  |  |  |  | Shelley |
|  |  |  |  | Stall |
|  |  |  |  | Ted |
|  |  |  |  | Carnevale |
|  |  |  |  | Tom |
|  |  |  |  | Morrell |
|  |  |  |  | Tom |
|  |  |  |  | Pollard |
|  |  |  |  | Wolfram Sperber |

## Silica based polishing of {100} and {111} single crystal diamond:

## 

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | Nanocrystalline diamond for Micro-Electro-Mechanical-Systems | Element Six | Daniel Twitchen |
|  |  |  | Logitech | Mark Kennedy |
|  |  |  | Cardiff School of Physics and Astronomy | John McCrossan |
|  |  |  | OAW | Rashmi Sudiwala |
|  |  |  | Marie Curie Actions |  |
|  |  |  | ELHT |  |
|  |  |  | UK Engineering and Physical Sciences Research Council |  |
|  |  |  | EPSRC |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  |  | C | Element Six | Daniel Twitchen |
|  |  | tra | Logitech | Mark Kennedy |
|  |  | Micro | Cardiff School of Physics and Astronomy | John McCrossan |
|  |  | ec | OAW | Ra |
|  |  |  | Marie Curie Actions | mi Sudiwala |
|  |  |  | EU |  |
|  |  |  | ELHT |  |
|  |  |  | UK Engineering and Physical Sciences Research Council |  |
|  |  |  | EPSRC |  |

## FAIROs: Towards FAIR assessment in Research Objects:

## 

| MODELO 1 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Madrid Government | H2020 Programme | European Commission | Beatriz Galindo |
|  |  | RELIANCE | Comunidad de Madrid-Spain |  |
|  |  | Multiannual Agreement | Universidad Politécnica de Madrid |  |
|  |  | Support for R&D | UPM |  |
|  |  | projects | UPM |  |
|  |  | V PRICIT |  |  |
|  |  | Regional Programme of Research and Technological Innovation |  |  |
|  |  | Research Grants for Young Investigators |  |  |

| MODELO 2 | **LOCALITATION** | **MISCELANEOUS** | **ORGANITATION** | **PERSON** |
| --- | --- | --- | --- | --- |
|  | Madrid | H2020 Programme | European Commission | ali |
|  | Spain | REL | E |  |
|  |  | NC | Government |  |
|  |  | ICIT | Comunidad de Madrid |  |
|  |  | Regional Programme of Research and Technological Innovation | Universidad Politécnica de Madrid |  |
|  |  |  | UPM |  |
|  |  |  | Beatriz G |  |
|  |  |  | ndo |  |
|  |  |  | UPM |  |

Verde: El modelo ha reconocido correctamente

Amarillo: No estoy seguro de como evaluarlo

Rojo: El modelo no ha reconocido correctamente

*Comparación de modelos*

| Modelo 1 | Verdes | Amarillos | Rojos |
| --- | --- | --- | --- |
|  | 157 | 18 | 26 |

| Modelo 2 | Verdes | Amarillos | Rojos |
| --- | --- | --- | --- |
|  | 145 | 21 | 61 |

*Comparación de modelos automático (10 artículos)*

| *Jean-Baptiste* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *47* |
|  | *1* | *52* | *123* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *bert-base-NER* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *144* |
|  | *1* | *90* | *85* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *bert-large-NER* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *79* |
|  | *1* | *71* | *104* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *bert\_base\_multilingual\_cased\_ner\_hrl* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *47* |
|  | *1* | *70* | *105* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *roberta\_large\_ner\_english* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *61* |
|  | *1* | *60* | *115* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

*6*

Y, por tanto, tenemos un valor F1 de:

*Comparación de modelos automático (20 artículos)*

| *Jean-Baptiste* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *85* |
|  | *1* | *105* | *173* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *bert-base-NER* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *227* |
|  | *1* | *161* | *117* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *bert-large-NER* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *144* |
|  | *1* | *133* | *145* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *bert\_base\_multilingual\_cased\_ner\_hrl* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *72* |
|  | *1* | *129* | *149* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de:

| *roberta\_large\_ner\_english* | | *PREDICCION* | |
| --- | --- | --- | --- |
|  |  | *0* | *1* |
| *REALIDAD* | *0* |  | *115* |
|  | *1* | *116* | *162* |

En el modelo contamos con una precisión de:

Y contamos con un recall de:

Y, por tanto, tenemos un valor F1 de: