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WORK AREA 3 COURSES





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TWO MAIN THEMES

- Aid development of credit-bearing courses
- Help establish MOOCs or similar non-creditbearing resources

Support other WAs



- Aid development of credit-bearing courses
- Help establish MOOCs or similar non-creditbearing resources
- Support other WAs

THE PYTHON INITIATIVE

Established a wholly new way to link universities on the course level in the **Python initiative**, offering linked courses in Python across 4 unis (LU, UU, UmU, LTU).

The initiative has attracted massive interest from a wide pool of talent, and is now a platform to which more and/or more advanced Al-related courses can be attached (LiU is actively shadowing the project, MAU has expressed interest, and international partners are in talks with us).



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THE PYTHON INITIATIVE

5 CREDITS
PROGRAMMING
IN PYTHON:
BASIC AND
PREPARATORY

5 CREDITS
PROGRAMMING
IN PYTHON:
WORKING WITH
SHARED
LIBRARIES

5 CREDITS
PROGRAMMING
IN PYTHON:
CODE QUALITY
AND BEST
PRACTICES

FUTURE MORE ADVANCED COURSES

















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THE PYTHON INITIATIVE

UPFRONT BENEFITS

Serving life-long learning needs to understand Python. With 1400 applications for 80 spots in Lund this Spring, demand appears enormous.

Course leaders benefit from collaboration with other unis

We can strategically "nudge" participants to other Al-relevant pathways



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THE PYTHON INITIATIVE

STRATEGIC BENEFITS

This kind of inter-university collaboration can conceivably be employed in a wide variety of contexts – it is lighter on oversight and control than other formats, and so more nimble. We are learning the snags and opportunities

It demonstrates how relatively small project resources can be leveraged to initiate and support nation-wide collaboration



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THE PYTHON INITIATIVE

STRATEGIC BENEFITS - FOR SWEDISH AI

These courses can act as "catchment courses" to funnel and then guide latent Swedish AI talent into the field.

For the discussion: what other widely employed "catchment courses" could be envisaged?



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THE PYTHON INITIATIVE

WHAT'S NEXT?

- 1) Solidify and widen the existing initiative with new partners
- 2) Create MOOCs that can directly feed into the existing course structure thus enhancing the "catchment" aspect of the initiative.
- 2) Support the creation of more advanced and "Al-close" courses that build on top of the now established foundation.



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MOOCs and other online resources

The aim is to support the creation of online resources up to and including full-blown MOOCs where aspects of Al are at the core.

Resources are ideally made in a openly accessible and modular format that can freely be used in related credit-bearing courses too.



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MOOCs and other online resources PARTNERS

Linköping (very positive): Social Sciences: uses of synthetic data

Luleå Tekniska Universitet: Computer Science

Umeå (under discussion) – Humanities: Al and cultural heritage

Uppsala – Humanities: AI, Archives and structural data

Lund (has committed) – (likely) Economics

Challenge: strategic financing of such development efforts is widely lacking in tertiary education Sweden



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MOOCs and other online resources UPFRONT BENEFITS

Once completed, each sub-project is immediately deployable and can be accessed by users

Each resource highly useful in its own right

Modules can be used by course-makers across Sweden



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MOOCs and other online resources STRATEGIC BENEFITS

These MOOCs can be presented in ways that turn them into yet more "catchment areas" to attract latent Al talent.



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MOOCs and other online resources WHAT'S NEXT?

Links between MOOCs and courses can be actively promoted to guide attracted talent towards further learning opportunities.

This requires continuous and responsive marketing efforts

Specific development efforts to support the creation of resources to fill noted gaps

For the discussion: evident gaps we should already be pondering?



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Work area synergies

Work area 1: Curriculum

Aid creation of AI curriculum-relevant courses that talent enlisted by WASP-HS can help develop and run

Work area 5: Technical platforms

Active collaboration (Umeå) to explore a platform add-on suitable for the Python initiative – and the processes involved in technical implementation





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THANK YOU FOR LISTENING!

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Support other WAs

6 minute video introducing the Python initiative:

tinyurl.com/waspedpython



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