

UNIVERSIDAD DE BUENOS AIRES

FACULTAD DE CIENCIAS EXACTAS Y NATURALES

DEPARTAMENTO: Computación.....

ASIGNATURA: ~~Inteligencia Automática de Conceptos~~.....

CARRERA/S:..Licenciatura en Cs. de la Computación.....

CARACTER:..optativa.....(indicar si es obligatoria u optativa)

PUNTAJE:.....4.....(en caso de ser optativa)

DURACION DE LA MATERIA:..cuatrimestral.....(indicar si es cuatrimestral o anual).

HORAS DE CLASE: a) TEORICAS....6. HS. b) PROBLEMAS HS.
c) LABORATORIO... HS. d) SEMINARIOS..... HS.
e) TOTALES.....6. HS.

ASIGNATURAS CORRELATIVAS:..Inteligencia Artificial....

PROGRAMA:

1. Introducción.
Nociones de Aprendizaje Automático.
Inferencia Inductiva.
2. Generación de Conceptos.
GAC como Búsqueda Heurística, reglas de generalización.
STAR y Vere como ejemplos.
Extensiones a los algoritmos básicos.
Técnicas de diálogo entre un sistema GAC y un usuario/experto.
3. Utilización de herramientas de generación de conceptos.
Características de las áreas de aplicación apropiadas.
Técnicas de obtención y validación de conjuntos de entrenamiento.
Análisis de resultados para la determinación de extensiones.
Implementación de algoritmos de GAC a partir de ejemplos.
Prueba y verificación de sistemas de GAC.
Implementación de extensiones.
4. Conclusiones.
Consideraciones finales, análisis de resultados y posibles mejoras.
Discusiones intergrupales.
Informe final.

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- [PIJCAI-83] Varios. Proceedings IJCAI 83. .
- [PIJCAI-85] Varios. Proceedings IJCAI 85. .
- [RUSEL-CME] Russell B. Nuestro conocimiento del mundo exterior.
- [RUSEL-SYV] Russell B. Significado y verdad.

Referencias generales - Publicaciones

- [ACMCS] ACM Computing Surveys
- [AIM] Artificial Intelligence Magazine
- [AIJ] Artificial Intelligence Journal
- [CACM] Communications of ACM
- [CS] Cognitive Science
- [DSS] Decision Support Systems
- [IJMMS] International Journal of Man-Machine Studies
- [JACM] ACM Journal
- [MLJ] Machine Learning Journal
- [PIJCAI] Proceedings of Int. Journal of Artificial Intelligence

Articulos.

- [AIH-14A] Feigenbaum, Cohen. Learning and Inductive Inference - Overview. AIH-III:3:14-A:32.
- [AIH-14D] Feigenbaum, Cohen. Learning From Examples. AIH-III:3:14-D:36.
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Re
E. Pócoi

Loiseau
Dc. IRENE LOISEAU
DIRECTORA
Depto. de Computación
F.C.E. y M. - U.S.A.