

An odyssey into computer science and beyond

Janne Toivola

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Intro

This document cites all the more and less scientific publications *encountered* on my career in information and computer science since 2003. Some of the publications were used as references in my publications, some were not: I can recommend most of the articles, but few of them may be pointless (the list contains “everything but the kitchen sink”).

The sections below provide one kind of “clustering” of the topics: certain overlaps and ambiguity exists in the multidimensional space of scientific disciplines and article topics. The big picture is this:

2003-2007 my work concentrated on Dynamic Bayesian Networks (DBN) and time series data

2007 brief studies on bioinformatics

2008-2012 major project on Structural Health Monitoring (SHM) and Wireless Sensor Networks (WSN)

P.S. ??? denotes that I have lost my copy of the publication (or it was borrowed), maybe they are under the pile somewhere.

–Janne

Books / Chapters

Textbooks

[1]??? [2] [3] [4]??? [5] [6] [7]??? [8] [9] [10] [11]??? [12] [13] [14] [15] [16]??? [17]??? [18] [19] [20] [21] [22] [23] [24]??? [25]??? [26]??? [27]??? [28]??? [29] [30]??? [31] [32]??? [33] [34] [35] [36] [37] [38] [39]??? [40] [41] [42] [43]

Proceedings

[44] [45] [46] [47] [48] [49] [50] [51] [52]??? [53]???

Assessment / Evaluation

[54] [55] [56] [57] [58] [59]? [60]

Networks

Bayesian Networks

[61] [62] [63] [64] [65] [66] [67] [68] [69] [70] [71] [72] [73] [74] [75] [76] [77] [78]??? [79] [80] [81] [82] [83] [84] [85] [86] [87] [88]??? [89] [90] [91] [92] [93]??? [94] [95]??? [96] [97] [98] [99] [100] [101] [102] [103] [104] [105] [106] [107] [108] [109] [110] [111] [112] [113] [114]

Dynamic Bayesian Networks

TODO: MDP \neq DBN

[115] [116] [117] [118] [119] [120] [121] [122] [123] [124] [125] [126] [127] [128]
[129] [130] [131] [132] [35] [133] [134] [135] [136] [137] [138] [139] [140] [141] [142]
[143] [144] [145] [146] [147] [148]

Software

[149] [150] [151]

Sensor Networks

[152] [153, 154] [155] [156] [157] [158] [159] [160] [161] [162] [163] [164] [165] [166]
[167] [168]??? [169] [170] [171] [172] [173] [174] [175] [176] [177] [178] [179] [180]
[181] [182] [183] [184] [185] [186] [187] [188]??? [189] [190] [191] [192] [193] [194]
[195] [196] [197] [198] [199] [200] [201]

Software & Hardware

[202] [203] [204] [205] [206] [207] [208] [209] [210] [211] [212] [213] [214]

Social and Other Networks

[215] [216] [217] [218] [219] [220] [221] [222] [223] [224] [225] [226] [227]??? [228]
[229] [230] [231] [232] [233]

Clustering

[234] [235]??? [236] [237] [238] [239] [240]

Collaborative Filtering

[241] [242] [243] [244]??? [245]??? [246] [247] [248] [249] [250]

Compressed Sensing

[251] [252] [253] [254] [255]??? [256] [257] [258]

Computing / Programming

[259] [260] [261] [262] [263] [264] [265] [266] [267]

Dimensionality Reduction / Projections

[268] [269] [270] [271] [272] [273]??? [274] [275] [276] [277]??? [278] [279] [280]
[281] [282] [283] [29]??? [284] [285]??? [286]??? [287] [288] [289]

Novelty Detection

[290] [291] [292] [293] [294] [295] [296] [297] [298] [299, 300] [301] [302] [303] [304]
[305] [306] [41] [307] [308] [309] [310]

Software

[311] [312] [313] [314]

Time Series / Data Streams

TODO: maybe signal processing \neq data streams

Offline

[315] [316] [317] [318] [319] [320] [321] [322]

Online

[323] [324] [325] [326] [327] [328, 329] [330] [331] [332] [333] [334] [335]??? [336]
[337] [338] [339] [340] [341] [342] [343] [344] [345] [346] [347] [348] [349] [350] [351]
[352] [353] [354]

Theory

[355] [159, 356] [357] [11] [358] [359] [360] [361] [362] [363]??? [364] [365] [366]
[367] [368] [369] [370]

Applications

Biology / Medical

[371] [372] [373] [374] [375] [376] [377] [378] [379] [380] [381] [382] [383] [384] [385]
[386] [387] [388] [389] [390] [391] [392] [393] [394] [395] [396] [397] [398] [399]

Structural Health Monitoring

[400] [401] [402] [403] [404] [405] [406] [407] [408] [409] [410] [411] [412] [413] [414]
[415] [416] [417] [418] [419] [420] [421] [422] [423] [424] [425] [426] [427] [428] [429]
[430] [431] [432] [433] [434] [435] [436] [437] [438] [439] [440] [441] [442] [443] [444]
[445] [446]

Data

[447] [448]

Miscellaneous

[449] [450] [451] [452]
[0]

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