

Pensieve header: Development makefile for Agenda, Confessions, and Monoblog.

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SetDirectory["C:\\drorbn\\AcademicPensieve\\Projects\\Agenda"]
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C:\\drorbn\\AcademicPensieve\\Projects\\Agenda
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Print["Projects/Agenda: Making Monoblog.png and Monoblog.html..."];
$MonoblogPages = Import["Monoblog.pdf", "PageCount"];
rows = First@Ordering[Table[
  Abs[Log[ $\frac{9}{16} \frac{8.5 \text{ Ceiling}[\$MonoblogPages / rows]}{11 \text{ rows}}$ ]],
  {rows, $MonoblogPages}
]];
cols = Ceiling[$MonoblogPages / rows];
DeleteFile[FileNames["scratch/M-*.png"]];
Read["!convert -scene 1 -density "<>ToString[dpi]<>
  " -background white -alpha remove Monoblog.pdf scratch/M.png"];
Read["!montage -geometry +0+0 -frame 0 -background white -tile "<>
  ToString[cols]<>"x"<>ToString[rows]<>" scratch/M-*.png Monoblog.png"];
DeleteFile[FileNames["scratch/M-*.png"]];
If[FileType["thumbs"] === None, CreateDirectory["thumbs"]];
Export["thumbs/Monoblog.png", ImageResize[Import["Monoblog.png"], {200}]];
es1 = Get["Monoblog.pos"] // Most;
es2 = es1 /. Entry[k_, id_, x_, y_] => If[x < 4.25,
  Entry[2 k - 1, id, x, 11 - y],
  Entry[2 k, id, x - 4.25, 11 - y]
];
es3 = Flatten[Table[
  If[es2[[k, 1]] != es2[[k + 1, 1]] && es2[[k + 1, 4]] > 0.42,
  {
    Entry[es2[[k, 1]], es2[[k, 2]] <> "-1", {0, es2[[k, 4]] - 0.1}, {4.25, 11}],
    Entry[es2[[k, 1]] + 1, es2[[k, 2]] <> "-2", {0, 0}, {4.25, es2[[k + 1, 4]] + 0.1}]
  },
  Entry[es2[[k, 1]], es2[[k, 2]], {0, es2[[k, 4]] - 0.1},
  {4.25, If[es2[[k + 1, 4]] > es2[[k, 4]], es2[[k + 1, 4]] + 0.1, 11]}]
],
{k, Length[es2] - 1}
];
es4 = es3 /. Entry[k_, id_, {x1_, y1_}, {x2_, y2_}] => Module[{sx, sy},
  sx = 4.25 * Mod[k - 1, 2 cols]; sy = 11 * Quotient[k - 1, 2 cols];
  Entry[id, {sx + x1, sy + y1}, {sx + x2, sy + y2}]
];
es5 = es4 /.
  Entry[id_, {x1_, y1_}, {x2_, y2_}] => StringJoin[" [" , ToString[x1], ",",
  ToString[y1], ",", ToString[x2], ",", ToString[y2], "\",\"", id, "\""];
views = StringJoin@@Riffle[es5, "\n"];
FileTemplateApply[FileTemplate["Monoblog.txt"], "Monoblog.html"]
Projects/Agenda: Making Monoblog.png and Monoblog.html...

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Monoblog.html

**es2[[30 ;; 31]]**

{Entry[2, 150112, 0.07002, 10.5617], Entry[3, 141221, 0.25005, 0.40013]}

**es2[[66 ;; 67]]**

{Entry[4, 140622, 0.07002, 10.3735], Entry[5, 140609, 0.25005, 0.59355]}