**dcloete** moved [Times sheet Cards](https://trello.com/c/n83roima) from Blocked / Impediment to Done

[2 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-5778091e5470a4167d813dd8)

**KT**

**Kyle Trehaeven** moved [Design decisions: Why we did not choose Hadoop and rather went with Spark](https://trello.com/c/EN4vczGd) from Doing to Done

[2 minutes ago](https://trello.com/c/EN4vczGd/45-design-decisions-why-we-did-not-choose-hadoop-and-rather-went-with-spark#action-5778090e14c99183d6d3fc09)

**KT**

**Kyle Trehaeven** moved [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2) from Doing to Done

[2 minutes ago](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-5778090ddd31c3a23f627a32)

**KT**

**Kyle Trehaeven** moved [Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql) from Doing to Done

[2 minutes ago](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-5778090cc8412ae0552dc7e5)

**KT**

**Kyle Trehaeven** moved [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)from Doing to Done

[2 minutes ago](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-5778090a42a4343150b12f0c)

**KT**

**Kyle Trehaeven** moved [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)from Doing to Done

[2 minutes ago](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57780909d339ec87b53a26a8)

**KT**

**Kyle Trehaeven** moved [How to setup the solution](https://trello.com/c/cHMHRO3q) from Doing to Done

[2 minutes ago](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-57780905db6c86810974fd0a)

**KT**

**Kyle Trehaeven** moved [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm) from Doing to Done

[2 minutes ago](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-57780902626b937cb2afb4d6)

dcloete (dcloete)

**dcloete** moved [Times sheet Cards](https://trello.com/c/n83roima) from Doing to Blocked / Impediment

[3 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-577808f3e6b942b63f5d6224)

dcloete (dcloete)

**dcloete** completed Gareth on [Times sheet Cards](https://trello.com/c/n83roima)

[3 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-577808ef40d7d265cb73a700)

dcloete (dcloete)

**dcloete** completed Matso on [Times sheet Cards](https://trello.com/c/n83roima)

[3 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-577808edec9b87e326c666c8)

dcloete (dcloete)

**dcloete** completed Sidwell on [Times sheet Cards](https://trello.com/c/n83roima)

[3 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-577808ed2eca81a7b23cb8f7)

dcloete (dcloete)

**dcloete** completed Include as Appendix in Group Report (Sidwell) on [Times sheet Cards](https://trello.com/c/n83roima)

[3 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-577808eb8d53f1d997976502)

**KT**

**Kyle Trehaeven** completed Kyle on[Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[3 minutes ago](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-577808d88dc5e4b57c6c6574)

**KT**

**Kyle Trehaeven** completed Kyle on [How to setup the solution](https://trello.com/c/cHMHRO3q)

[4 minutes ago](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-577808b53956d030404c1316)

**KT**

**Kyle Trehaeven** completed Kyle on[Times sheet Cards](https://trello.com/c/n83roima)

[4 minutes ago](https://trello.com/c/n83roima/4-times-sheet-cards#action-577808a869a50e80b5ae1f89)

**KT**

**Kyle Trehaeven** moved [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)from Done to Doing

[4 minutes ago](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-577808a3d7e6f447b25ed690)

**KT**

**Kyle Trehaeven** moved [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm) from Done to Doing

[4 minutes ago](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-5778089aef9a4b2cb2dd5f69)

**KT**

**Kyle Trehaeven** moved [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)from Done to Doing

[4 minutes ago](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-5778089857f596d8cbf1c5ea)

**KT**

**Kyle Trehaeven** moved [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2) from Done to Doing

[5 minutes ago](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-5778087613a3dd2255f447a7)

**KT**

**Kyle Trehaeven** completed Kyle on[Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[5 minutes ago](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-57780862192a849c464ca366)

**KT**

**Kyle Trehaeven** moved [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)from Doing to Done

[an hour ago](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-5777faab4c1464040ac50a79)

**KT**

**Kyle Trehaeven** moved [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm) from Doing to Done

[an hour ago](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-5777faa906b64d427c68a526)

**KT**

**Kyle Trehaeven** moved [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2) from Doing to Done

[an hour ago](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-5777faa5d9f1ac40b24b5827)

**KT**

**Kyle Trehaeven** moved [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)from Doing to Done

[an hour ago](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-5777faa19e88483726764a4a)

**KT**

**Kyle Trehaeven** moved [Kyle to add text paragraph to describe component model for group report.](https://trello.com/c/PibNuIfL) from Doing to Done

[an hour ago](https://trello.com/c/PibNuIfL/49-kyle-to-add-text-paragraph-to-describe-component-model-for-group-report#action-5777fa9d17ee7819504f4243)

**SM**

**Sidwell Mokhemisa** moved [BRD](https://trello.com/c/wbN7fxem) from To Do to Done

[yesterday at 8:01 PM](https://trello.com/c/wbN7fxem/11-brd#action-5776afddb5cb913f5a3bda5f)

**SM**

**Sidwell Mokhemisa** on [BRD](https://trello.com/c/wbN7fxem)

Use Case Models complete

[yesterday at 7:59 PM](https://trello.com/c/wbN7fxem/11-brd#comment-5776af8c65fc98ba95c322b2)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [Design decisions: Why we did not choose Hadoop and rather went with Spark](https://trello.com/c/EN4vczGd) from To Do to Doing

[yesterday at 4:54 PM](https://trello.com/c/EN4vczGd/45-design-decisions-why-we-did-not-choose-hadoop-and-rather-went-with-spark#action-5776843439be0bec8b1f4677)

dcloete (dcloete)

**dcloete** moved [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC) from To Do to Doing

[yesterday at 3:51 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-577675666c7e323c43369ac2)

dcloete (dcloete)

**dcloete** completed Dave - Add paragraph around Data Visualization on [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[yesterday at 3:51 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-577675614873808ba2c39629)

**KT**

**Kyle Trehaeven** moved [Kyle to add text paragraph to describe component model for group report.](https://trello.com/c/PibNuIfL) from To Do to Doing

[yesterday at 3:02 PM](https://trello.com/c/PibNuIfL/49-kyle-to-add-text-paragraph-to-describe-component-model-for-group-report#action-577669db298d7bb615e5f2ce)

mkhwinana (mkhwinana)

**mkhwinana** completed Kyle and Matso to provide context around the collection approaches and tech used on [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm)

[Jun 30 at 11:40 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-577591dc64c715aa4bc8febf)

mkhwinana (mkhwinana)

**mkhwinana** on [How to setup the solution](https://trello.com/c/cHMHRO3q)

Document uploaded on github

[Jun 30 at 11:18 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#comment-57758cb9ce7583d0c48e20e2)

mkhwinana (mkhwinana)

**mkhwinana** completed Matso on [How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 30 at 11:18 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-57758c8bb796baed3c4821fb)

**KT**

**Kyle Trehaeven** added [Kyle to add text paragraph to describe component model for group report.](https://trello.com/c/PibNuIfL) to To Do

[Jun 30 at 7:19 PM](https://trello.com/c/PibNuIfL/49-kyle-to-add-text-paragraph-to-describe-component-model-for-group-report#action-5775548da007bf32fe500980)

dcloete (dcloete)

**dcloete** added Checklist to [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a637bdd0b3244d00385)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a5bcc5e3079faa59809)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a5b30c8b0b828d6045c)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a59a162bc4cca1615f8)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a5879c8fc42557c5a05)

dcloete (dcloete)

**dcloete** joined [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC)

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a57b8eb238cb9c8f84d)

dcloete (dcloete)

**dcloete** added [High level - Description of Diagrams in Group Report](https://trello.com/c/OtAqIiiC) to To Do

[Jun 30 at 6:35 PM](https://trello.com/c/OtAqIiiC/48-high-level-description-of-diagrams-in-group-report#action-57754a52d1a7cd4b12489d3d)

dcloete (dcloete)

**dcloete** completed Provide sidwell with the content around the tech used, why and what on [Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql)

[Jun 30 at 1:37 PM](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-5775048b6412ea1d9292214e)

dcloete (dcloete)

**dcloete** completed Dave on [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 30 at 1:35 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-577503e697ef81c91274c855)

dcloete (dcloete)

**dcloete** completed Matso on [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 30 at 11:08 AM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-5774e195132d6de71267879a)

dcloete (dcloete)

**dcloete** completed Matso on [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 30 at 11:08 AM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-5774e1810740f7089efe76fe)

dcloete (dcloete)

**dcloete** moved [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU) from To Do to Doing

[Jun 30 at 11:08 AM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-5774e17195718363ca9547cc)

dcloete (dcloete)

**dcloete** moved [How to setup the solution](https://trello.com/c/cHMHRO3q)from To Do to Doing

[Jun 30 at 11:07 AM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-5774e16e2a9e3922ca4520fe)

dcloete (dcloete)

**dcloete** moved [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2) from To Do to Doing

[Jun 30 at 11:07 AM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-5774e16ad9a9c0a90c4c90d5)

dcloete (dcloete)

**dcloete** moved [Times sheet Cards](https://trello.com/c/n83roima) from To Do to Doing

[Jun 30 at 11:07 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5774e1675442d7b754a66ed8)

dcloete (dcloete)

**dcloete** moved [Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql) from To Do to Doing

[Jun 30 at 11:07 AM](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-5774e15e0443606312c26ea3)

dcloete (dcloete)

**dcloete** completed Dave on [How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 30 at 11:03 AM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-5774e06a0eb68a5e2a8d17ec)

dcloete (dcloete)

**dcloete** completed Dave on [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 30 at 10:19 AM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-5774d613ddc903d5fa9f7c8c)

dcloete (dcloete)

**dcloete** completed Dave on [Times sheet Cards](https://trello.com/c/n83roima)

[Jun 30 at 9:40 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5774ccfeca54cd94c4447804)

mkhwinana (mkhwinana)

**mkhwinana** moved [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm) from To Do to Doing

[Jun 27 at 7:41 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-5771656306896b6475d3313a)

dcloete (dcloete)

**dcloete** added Checklist to [Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql)

[Jun 26 at 5:02 PM](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-576fee82d3b05fab3b523950)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql)

[Jun 26 at 5:02 PM](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-576fee7d93db5a2d7f26d0ee)

dcloete (dcloete)

**dcloete** joined [Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql)

[Jun 26 at 5:02 PM](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-576fee7c4890f09127eba1ba)

dcloete (dcloete)

**dcloete** added [Design decisions: Dave to provide the detail around the visualization technologies](https://trello.com/c/CWVAlZql) to To Do

[Jun 26 at 5:02 PM](https://trello.com/c/CWVAlZql/47-design-decisions-dave-to-provide-the-detail-around-the-visualization-technologies#action-576fee779f6274e17e026091)

dcloete (dcloete)

**dcloete** added Checklist to [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm)

[Jun 26 at 5:00 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-576fedf16d7a377175917afb)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm)

[Jun 26 at 4:59 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-576fede66a09b369096e232a)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm)

[Jun 26 at 4:59 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-576fede4a299872c0440bd0e)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to[Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm)

[Jun 26 at 4:59 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-576fede3cefef89fe2c72427)

dcloete (dcloete)

**dcloete** added [Design decisions:Data Collection. Why we chose two different technologies as well as both the live and historic feed collections.](https://trello.com/c/xq5TgkAm) to To Do

[Jun 26 at 4:59 PM](https://trello.com/c/xq5TgkAm/46-design-decisions-data-collection-why-we-chose-two-different-technologies-as-well-as-both-the-live-and-historic-feed-collections#action-576feddff11e768d133e2da6)

dcloete (dcloete)

**dcloete** added Checklist to [Design decisions: Why we did not choose Hadoop and rather went with Spark](https://trello.com/c/EN4vczGd)

[Jun 26 at 4:56 PM](https://trello.com/c/EN4vczGd/45-design-decisions-why-we-did-not-choose-hadoop-and-rather-went-with-spark#action-576fed39770480e3af36364f)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Design decisions: Why we did not choose Hadoop and rather went with Spark](https://trello.com/c/EN4vczGd)

[Jun 26 at 4:56 PM](https://trello.com/c/EN4vczGd/45-design-decisions-why-we-did-not-choose-hadoop-and-rather-went-with-spark#action-576fed35201b5141758db542)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Design decisions: Why we did not choose Hadoop and rather went with Spark](https://trello.com/c/EN4vczGd)

[Jun 26 at 4:56 PM](https://trello.com/c/EN4vczGd/45-design-decisions-why-we-did-not-choose-hadoop-and-rather-went-with-spark#action-576fed32e0c412d4e7cfbd3e)

dcloete (dcloete)

**dcloete** added [Design decisions: Why we did not choose Hadoop and rather went with Spark](https://trello.com/c/EN4vczGd) to To Do

[Jun 26 at 4:56 PM](https://trello.com/c/EN4vczGd/45-design-decisions-why-we-did-not-choose-hadoop-and-rather-went-with-spark#action-576fed2bedfe3fcdcc0d1194)

dcloete (dcloete)

**dcloete** added Checklist to [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 26 at 4:53 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fec537dafbe1773eb4616)

dcloete (dcloete)

**dcloete** added Checklist to [How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 26 at 4:52 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fec29f3cf6c145890cd0b)

dcloete (dcloete)

**dcloete** added Checklist to [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:51 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576febe459d08f8aaf0a7049)

dcloete (dcloete)

**dcloete** removed Checklist from[Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:51 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576febd40496253db042f85b)

dcloete (dcloete)

**dcloete** added Checklist to [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:50 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576febc6edbfffeae24c97a4)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 26 at 4:43 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fea10306817d7a6a35c7e)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 26 at 4:43 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fea0feb398c2857fe9b32)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to[Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 26 at 4:43 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fea0f667388a2034bbfcb)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 26 at 4:43 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fea0e62bc84093c8508df)

dcloete (dcloete)

**dcloete** joined [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU)

[Jun 26 at 4:43 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fea0ee92a7dbb3471c3a4)

dcloete (dcloete)

**dcloete** added [Generate a list of KEY risks, assumptions and constraints](https://trello.com/c/2W4zu3PU) to To Do

[Jun 26 at 4:43 PM](https://trello.com/c/2W4zu3PU/44-generate-a-list-of-key-risks-assumptions-and-constraints#action-576fea099ae486ae275b8fff)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 26 at 4:38 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fe8f1c23b7af387da1af9)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:38 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe8eae4e0b303caaac46d)

dcloete (dcloete)

**dcloete** removed **Sidwell Mokhemisa**from [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:38 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe8e2e293f03920c72917)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 26 at 4:38 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fe8cfc366e7d95588cbfc)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to [How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 26 at 4:38 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fe8cef80f6e7dcd8b185c)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 26 at 4:38 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fe8ce6d7a377175915caf)

dcloete (dcloete)

**dcloete** joined [How to setup the solution](https://trello.com/c/cHMHRO3q)

[Jun 26 at 4:38 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fe8cdf439937609f28900)

dcloete (dcloete)

**dcloete** added [How to setup the solution](https://trello.com/c/cHMHRO3q)to To Do

[Jun 26 at 4:37 PM](https://trello.com/c/cHMHRO3q/43-how-to-setup-the-solution#action-576fe8a2a299872c0440a020)

dcloete (dcloete)

**dcloete** on [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

Technology/Tutorial name – hyperlink/reference to publication

[Jun 26 at 4:37 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#comment-576fe89384384199b58e56c1)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:36 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe86a3aed5cb7e2f064f9)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:36 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe8693dba55ffafff5a2d)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to[Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:36 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe8699966d37668e185bf)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:36 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe8689d3739f090ec13c2)

dcloete (dcloete)

**dcloete** joined [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2)

[Jun 26 at 4:36 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe86803e920dacc0dc5ae)

dcloete (dcloete)

**dcloete** added [Compose a list of tutorials and references to technologies used](https://trello.com/c/ICaHGKY2) to To Do

[Jun 26 at 4:36 PM](https://trello.com/c/ICaHGKY2/42-compose-a-list-of-tutorials-and-references-to-technologies-used#action-576fe86448b09a05b6c68ef3)

dcloete (dcloete)

**dcloete** archived Research

Jun 26 at 4:35 PM

dcloete (dcloete)

**dcloete** moved ["Pro vs Con 4 days prior to home state primaries" - Category and Date Range Filter dropdowns](https://trello.com/c/V2uIIzHS) from To Do to Blocked / Impediment

[Jun 26 at 4:35 PM](https://trello.com/c/V2uIIzHS/37-pro-vs-con-4-days-prior-to-home-state-primaries-category-and-date-range-filter-dropdowns#action-576fe82da4e8410756dfb567)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Word Count](https://trello.com/c/UQeltRxF) from To Do to Blocked / Impediment

[Jun 26 at 4:35 PM](https://trello.com/c/UQeltRxF/29-data-transformation-scala-word-count#action-576fe828b770d9f2a63059aa)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Pro Con Count - Daily](https://trello.com/c/HpnerOUF) from To Do to Blocked / Impediment

[Jun 26 at 4:35 PM](https://trello.com/c/HpnerOUF/28-data-transformation-scala-pro-con-count-daily#action-576fe825125e5bc8904d0124)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Pro Con Algorithm.](https://trello.com/c/hyroEQMY) from To Do to Blocked / Impediment

[Jun 26 at 4:35 PM](https://trello.com/c/hyroEQMY/25-data-transformation-scala-pro-con-algorithm#action-576fe823e766a84e0a45aacc)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Pro Con Count - Hourly](https://trello.com/c/oDXqo7Li) from To Do to Blocked / Impediment

[Jun 26 at 4:35 PM](https://trello.com/c/oDXqo7Li/27-data-transformation-scala-pro-con-count-hourly#action-576fe81fe9087444c5392d0b)

dcloete (dcloete)

**dcloete** moved [Data Collection: History data dates bug](https://trello.com/c/gwRVmG4Z) from To Do to Blocked / Impediment

[Jun 26 at 4:35 PM](https://trello.com/c/gwRVmG4Z/41-data-collection-history-data-dates-bug#action-576fe81c14ecd65c732daf10)

dcloete (dcloete)

**dcloete** moved [Project Report](https://trello.com/c/1HMk5CgD) from To Do to Doing

[Jun 26 at 4:34 PM](https://trello.com/c/1HMk5CgD/6-project-report#action-576fe811cefef89fe2c6ff86)

dcloete (dcloete)

**dcloete** moved [Make "Pro vs Con 4 days prior to home state primaries" work with ProCon Daily Data Reformat proConDaily](https://trello.com/c/Zy0IgCdJ)from Doing to Blocked / Impediment

[Jun 26 at 4:34 PM](https://trello.com/c/Zy0IgCdJ/32-make-pro-vs-con-4-days-prior-to-home-state-primaries-work-with-procon-daily-data-reformat-procondaily#action-576fe80098a552233cc45627)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Count Summary](https://trello.com/c/Yxi2k0aD) from Doing to Blocked / Impediment

[Jun 26 at 4:34 PM](https://trello.com/c/Yxi2k0aD/30-data-transformation-count-summary#action-576fe7f81b624dfe093c8d1c)

dcloete (dcloete)

**dcloete** moved [Data Collection: Pro Con Word List](https://trello.com/c/LGStHuXb) from Doing to Done

[Jun 26 at 4:34 PM](https://trello.com/c/LGStHuXb/26-data-collection-pro-con-word-list#action-576fe7f3fa6da1cff74a7c59)

dcloete (dcloete)

**dcloete** moved [High level Design](https://trello.com/c/qMS08X1j) from Doing to Done

[Jun 26 at 4:34 PM](https://trello.com/c/qMS08X1j/13-high-level-design#action-576fe7ecfb19c0bf10afa6be)

dcloete (dcloete)

**dcloete** moved [Presentation](https://trello.com/c/nHNRdupV) from Doing to Done

[Jun 26 at 4:34 PM](https://trello.com/c/nHNRdupV/14-presentation#action-576fe7de292bd15e7fdfd0ce)

mkhwinana (mkhwinana)

**mkhwinana** joined [Data Collection: History data dates bug](https://trello.com/c/gwRVmG4Z)

[Jun 19 at 4:47 PM](https://trello.com/c/gwRVmG4Z/41-data-collection-history-data-dates-bug#action-5766b0791a71a51a0e3404b7)

mkhwinana (mkhwinana)

**mkhwinana** added [Data Collection: History data dates bug](https://trello.com/c/gwRVmG4Z) to To Do

[Jun 19 at 4:46 PM](https://trello.com/c/gwRVmG4Z/41-data-collection-history-data-dates-bug#action-5766b060c8e575b2b7668a29)

mkhwinana (mkhwinana)

**mkhwinana** moved [Data Collection: Export Feed for Transformation](https://trello.com/c/WBZIBKI3) from Doing to Done

[Jun 19 at 4:46 PM](https://trello.com/c/WBZIBKI3/34-data-collection-export-feed-for-transformation#action-5766b03b18a09af2fb532868)

mkhwinana (mkhwinana)

**mkhwinana** moved [Data Collection: Refactoring](https://trello.com/c/efiuKqe0) from Doing to Done

[Jun 19 at 4:46 PM](https://trello.com/c/efiuKqe0/35-data-collection-refactoring#action-5766b034977365385b4c0a14)

dcloete (dcloete)

**dcloete** moved [Make "Pro vs Con 4 days prior to home state primaries" work with ProCon Daily Data Reformat proConDaily](https://trello.com/c/Zy0IgCdJ)from To Do to Doing

[Jun 18 at 9:42 PM](https://trello.com/c/Zy0IgCdJ/32-make-pro-vs-con-4-days-prior-to-home-state-primaries-work-with-procon-daily-data-reformat-procondaily#action-5765a414d34243d67625b34d)

dcloete (dcloete)

**dcloete** moved [Infrastructure Design](https://trello.com/c/9vkK8m3d) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/9vkK8m3d/12-infrastructure-design#action-57653fa7f94094706d4a8602)

dcloete (dcloete)

**dcloete** moved [Define Project Methodology](https://trello.com/c/ioCJDAyo) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/ioCJDAyo/15-define-project-methodology#action-57653fa5d9e6852e0e71f028)

dcloete (dcloete)

**dcloete** moved [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-57653fa221e20b71a409eab9)

dcloete (dcloete)

**dcloete** moved [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57653fa0277b9e4e88e8ae3b)

dcloete (dcloete)

**dcloete** moved [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-57653f9ee8d472d93d891e48)

dcloete (dcloete)

**dcloete** moved [Get a NAS](https://trello.com/c/SG56AfVG) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/SG56AfVG/17-get-a-nas#action-57653f9c1a71a51a0e2c6691)

dcloete (dcloete)

**dcloete** moved [Investigate Twitter API for search capability](https://trello.com/c/cIIqdrhh) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/cIIqdrhh/2-investigate-twitter-api-for-search-capability#action-57653f9a095f30fd44e3b0da)

dcloete (dcloete)

**dcloete** moved [Create slack Group](https://trello.com/c/rgr4tJBy) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/rgr4tJBy/10-create-slack-group#action-57653f9782aa21c5c7f86481)

dcloete (dcloete)

**dcloete** moved [Create GitHub project](https://trello.com/c/UUsIRnAH)from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/UUsIRnAH/20-create-github-project#action-57653f9597ee6aa94439e31f)

dcloete (dcloete)

**dcloete** moved [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-57653f931ce944e85b8214e8)

dcloete (dcloete)

**dcloete** moved [POC - Hadoop/Apache Spark database setup](https://trello.com/c/ZQvofwk9) from Done to Archive

[Jun 18 at 2:33 PM](https://trello.com/c/ZQvofwk9/7-poc-hadoop-apache-spark-database-setup#action-57653f8f1d5ae221b4eacdf7)

dcloete (dcloete)

**dcloete** added Archive to this board

Jun 18 at 2:33 PM

dcloete (dcloete)

**dcloete** moved ["Category Over Time - Daily" Heat Map - Bug on legend offest - to far down](https://trello.com/c/UWMVWetQ) from To Do to Done

[Jun 18 at 2:32 PM](https://trello.com/c/UWMVWetQ/40-category-over-time-daily-heat-map-bug-on-legend-offest-to-far-down#action-57653f58fa8b68b3822c6067)

dcloete (dcloete)

**dcloete** moved ["Category Over Time - Daily" Date Labels are overlapping](https://trello.com/c/x5RoPizn) from Doing to Done

[Jun 18 at 2:32 PM](https://trello.com/c/x5RoPizn/36-category-over-time-daily-date-labels-are-overlapping#action-57653f4cba9a82713084846b)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [Data Transformation: Count Summary](https://trello.com/c/Yxi2k0aD) from To Do to Doing

[Jun 18 at 2:09 PM](https://trello.com/c/Yxi2k0aD/30-data-transformation-count-summary#action-576539f1e951effc2c2b3164)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [Data Transformation: Counts Per Day](https://trello.com/c/y6bhrOwT) from Doing to Done

[Jun 18 at 2:06 PM](https://trello.com/c/y6bhrOwT/24-data-transformation-counts-per-day#action-5765394c087ee5196e3d333c)

dcloete (dcloete)

**dcloete** joined ["Category Over Time - Daily" Heat Map - Bug on legend offest - to far down](https://trello.com/c/UWMVWetQ)

[Jun 18 at 1:33 PM](https://trello.com/c/UWMVWetQ/40-category-over-time-daily-heat-map-bug-on-legend-offest-to-far-down#action-57653175f6f73de79c317d0e)

dcloete (dcloete)

**dcloete** added ["Category Over Time - Daily" Heat Map - Bug on legend offest - to far down](https://trello.com/c/UWMVWetQ) to To Do

[Jun 18 at 1:33 PM](https://trello.com/c/UWMVWetQ/40-category-over-time-daily-heat-map-bug-on-legend-offest-to-far-down#action-5765316aca5348975ae80c4e)

dcloete (dcloete)

**dcloete** moved ["Category Over Time - Daily" Date Labels are overlapping](https://trello.com/c/x5RoPizn) from To Do to Doing

[Jun 18 at 11:44 AM](https://trello.com/c/x5RoPizn/36-category-over-time-daily-date-labels-are-overlapping#action-57651802e12ea7bbb78b293a)

dcloete (dcloete)

**dcloete** moved ["Category Over Time - Daily" Stream Graph: Add Date Range Labels](https://trello.com/c/hrXCjc6F) from Doing to Done

[Jun 18 at 11:44 AM](https://trello.com/c/hrXCjc6F/38-category-over-time-daily-stream-graph-add-date-range-labels#action-576517ffd1d789d69d32121a)

dcloete (dcloete)

**dcloete** moved ["Category Over Time - Daily" Date Labels are overlapping](https://trello.com/c/x5RoPizn) from Doing to To Do

[Jun 18 at 11:25 AM](https://trello.com/c/x5RoPizn/36-category-over-time-daily-date-labels-are-overlapping#action-5765138617dccbd57604041b)

dcloete (dcloete)

**dcloete** added [Visualization of Geo location required knowledge of topo json.](https://trello.com/c/pQkxESGX)to Blocked / Impediment

[Jun 18 at 11:25 AM](https://trello.com/c/pQkxESGX/39-visualization-of-geo-location-required-knowledge-of-topo-json#action-5765136ce275fe292c9070e3)

dcloete (dcloete)

**dcloete** joined ["Category Over Time - Daily" Stream Graph: Add Date Range Labels](https://trello.com/c/hrXCjc6F)

[Jun 18 at 11:23 AM](https://trello.com/c/hrXCjc6F/38-category-over-time-daily-stream-graph-add-date-range-labels#action-57651329274477e46d03d8eb)

dcloete (dcloete)

**dcloete** added ["Category Over Time - Daily" Stream Graph: Add Date Range Labels](https://trello.com/c/hrXCjc6F) to Doing

[Jun 18 at 11:23 AM](https://trello.com/c/hrXCjc6F/38-category-over-time-daily-stream-graph-add-date-range-labels#action-57651326da0b57015c873493)

dcloete (dcloete)

**dcloete** joined ["Category Over Time - Daily" Date Labels are overlapping](https://trello.com/c/x5RoPizn)

[Jun 18 at 11:17 AM](https://trello.com/c/x5RoPizn/36-category-over-time-daily-date-labels-are-overlapping#action-5765118c31d19f6f1cfb0032)

dcloete (dcloete)

**dcloete** moved ["Category Over Time - Daily" Date Labels are overlapping](https://trello.com/c/x5RoPizn) from To Do to Doing

[Jun 18 at 11:16 AM](https://trello.com/c/x5RoPizn/36-category-over-time-daily-date-labels-are-overlapping#action-5765118434d837f73d599b36)

dcloete (dcloete)

**dcloete** moved [Add date dropdown on "Pro vs Con Per Category Over Time - Hourly"](https://trello.com/c/D4LRV9du) from Doing to Done

[Jun 18 at 11:04 AM](https://trello.com/c/D4LRV9du/33-add-date-dropdown-on-pro-vs-con-per-category-over-time-hourly#action-57650e9e1718a2343e80c556)

dcloete (dcloete)

**dcloete** moved [Add date dropdown on "Pro vs Con Per Category Over Time - Hourly"](https://trello.com/c/D4LRV9du) from To Do to Doing

[Jun 18 at 10:52 AM](https://trello.com/c/D4LRV9du/33-add-date-dropdown-on-pro-vs-con-per-category-over-time-hourly#action-57650bd83ace11fb2219b33a)

dcloete (dcloete)

**dcloete** moved [Data Visualization: "Category Over Time - Hourly" Fix up legend and do hour labels](https://trello.com/c/bmaQ4eV7) from Doing to Done

[Jun 18 at 10:52 AM](https://trello.com/c/bmaQ4eV7/31-data-visualization-category-over-time-hourly-fix-up-legend-and-do-hour-labels#action-57650bd0102a7dd4fb57a92f)

dcloete (dcloete)

**dcloete** added ["Pro vs Con 4 days prior to home state primaries" - Category and Date Range Filter dropdowns](https://trello.com/c/V2uIIzHS) to To Do

[Jun 18 at 10:11 AM](https://trello.com/c/V2uIIzHS/37-pro-vs-con-4-days-prior-to-home-state-primaries-category-and-date-range-filter-dropdowns#action-576502443e9edb7fc7ca28f1)

dcloete (dcloete)

**dcloete** added ["Category Over Time - Daily" Date Labels are overlapping](https://trello.com/c/x5RoPizn) to To Do

[Jun 18 at 10:11 AM](https://trello.com/c/x5RoPizn/36-category-over-time-daily-date-labels-are-overlapping#action-576502169c6a9eb46a33d3b4)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Data Collection: Refactoring](https://trello.com/c/efiuKqe0)

[Jun 18 at 10:07 AM](https://trello.com/c/efiuKqe0/35-data-collection-refactoring#action-5765013f185bb7e6b7e56cc0)

dcloete (dcloete)

**dcloete** added [Data Collection: Refactoring](https://trello.com/c/efiuKqe0) to Doing

[Jun 18 at 10:07 AM](https://trello.com/c/efiuKqe0/35-data-collection-refactoring#action-5765013c5c9430236d8e4a26)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Data Collection: Export Feed for Transformation](https://trello.com/c/WBZIBKI3)

[Jun 18 at 10:07 AM](https://trello.com/c/WBZIBKI3/34-data-collection-export-feed-for-transformation#action-5765012a5d8bffc2e3e32e36)

dcloete (dcloete)

**dcloete** added [Data Collection: Export Feed for Transformation](https://trello.com/c/WBZIBKI3) to Doing

[Jun 18 at 10:06 AM](https://trello.com/c/WBZIBKI3/34-data-collection-export-feed-for-transformation#action-5765010b684a76feb347a876)

dcloete (dcloete)

**dcloete** joined [Add date dropdown on "Pro vs Con Per Category Over Time - Hourly"](https://trello.com/c/D4LRV9du)

[Jun 18 at 10:05 AM](https://trello.com/c/D4LRV9du/33-add-date-dropdown-on-pro-vs-con-per-category-over-time-hourly#action-576500c47bf8e9a76a762db6)

dcloete (dcloete)

**dcloete** added [Add date dropdown on "Pro vs Con Per Category Over Time - Hourly"](https://trello.com/c/D4LRV9du) to To Do

[Jun 18 at 10:05 AM](https://trello.com/c/D4LRV9du/33-add-date-dropdown-on-pro-vs-con-per-category-over-time-hourly#action-576500bbe1df8e2e8e80703f)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Data Transformation: Count Summary](https://trello.com/c/Yxi2k0aD)

[Jun 18 at 10:03 AM](https://trello.com/c/Yxi2k0aD/30-data-transformation-count-summary#action-5765006bb81f1652bb0eaad6)

dcloete (dcloete)

**dcloete** joined [Make "Pro vs Con 4 days prior to home state primaries" work with ProCon Daily Data Reformat proConDaily](https://trello.com/c/Zy0IgCdJ)

[Jun 18 at 10:03 AM](https://trello.com/c/Zy0IgCdJ/32-make-pro-vs-con-4-days-prior-to-home-state-primaries-work-with-procon-daily-data-reformat-procondaily#action-576500593c6e42570ed940ae)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Make "Pro vs Con 4 days prior to home state primaries" work with ProCon Daily Data Reformat proConDaily](https://trello.com/c/Zy0IgCdJ)

[Jun 18 at 10:03 AM](https://trello.com/c/Zy0IgCdJ/32-make-pro-vs-con-4-days-prior-to-home-state-primaries-work-with-procon-daily-data-reformat-procondaily#action-5765005915ee43118255c1ff)

dcloete (dcloete)

**dcloete** added [Make "Pro vs Con 4 days prior to home state primaries" work with ProCon Daily Data Reformat proConDaily](https://trello.com/c/Zy0IgCdJ)to To Do

[Jun 18 at 10:03 AM](https://trello.com/c/Zy0IgCdJ/32-make-pro-vs-con-4-days-prior-to-home-state-primaries-work-with-procon-daily-data-reformat-procondaily#action-57650054851714a7a431071f)

dcloete (dcloete)

**dcloete** moved [Data Visualization: "Category Over Time - Hourly" Fix up legend and do hour labels](https://trello.com/c/bmaQ4eV7) from To Do to Doing

[Jun 18 at 10:02 AM](https://trello.com/c/bmaQ4eV7/31-data-visualization-category-over-time-hourly-fix-up-legend-and-do-hour-labels#action-57650019b41a3ba18897cbcd)

dcloete (dcloete)

**dcloete** joined [Data Visualization: "Category Over Time - Hourly" Fix up legend and do hour labels](https://trello.com/c/bmaQ4eV7)

[Jun 18 at 9:59 AM](https://trello.com/c/bmaQ4eV7/31-data-visualization-category-over-time-hourly-fix-up-legend-and-do-hour-labels#action-5764ff79b01fa1898ee66135)

dcloete (dcloete)

**dcloete** added [Data Visualization: "Category Over Time - Hourly" Fix up legend and do hour labels](https://trello.com/c/bmaQ4eV7) to To Do

[Jun 18 at 9:59 AM](https://trello.com/c/bmaQ4eV7/31-data-visualization-category-over-time-hourly-fix-up-legend-and-do-hour-labels#action-5764ff75b071db0282695312)

dcloete (dcloete)

**dcloete** moved [Data Collection: Pro Con Word List](https://trello.com/c/LGStHuXb) from To Do to Doing

[Jun 18 at 9:59 AM](https://trello.com/c/LGStHuXb/26-data-collection-pro-con-word-list#action-5764ff42ae8a7e326d30b10a)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Counts Per Day](https://trello.com/c/y6bhrOwT) from To Do to Doing

[Jun 18 at 9:58 AM](https://trello.com/c/y6bhrOwT/24-data-transformation-counts-per-day#action-5764ff31b81f1652bb0ea833)

dcloete (dcloete)

**dcloete** added [Data Transformation: Count Summary](https://trello.com/c/Yxi2k0aD) to To Do

[Jun 18 at 9:57 AM](https://trello.com/c/Yxi2k0aD/30-data-transformation-count-summary#action-5764fee8a8aab7026489906f)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Word Count](https://trello.com/c/UQeltRxF) from Doing to To Do

[Jun 18 at 9:57 AM](https://trello.com/c/UQeltRxF/29-data-transformation-scala-word-count#action-5764fedb3ace11fb2219669b)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Data Transformation: Scala Word Count](https://trello.com/c/UQeltRxF)

[Jun 18 at 9:57 AM](https://trello.com/c/UQeltRxF/29-data-transformation-scala-word-count#action-5764fed4a6376ecadf877deb)

dcloete (dcloete)

**dcloete** added [Data Transformation: Scala Word Count](https://trello.com/c/UQeltRxF) to Doing

[Jun 18 at 9:57 AM](https://trello.com/c/UQeltRxF/29-data-transformation-scala-word-count#action-5764fecf198133bcc790278c)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Pro Con Count - Daily](https://trello.com/c/HpnerOUF) from Doing to To Do

[Jun 18 at 9:57 AM](https://trello.com/c/HpnerOUF/28-data-transformation-scala-pro-con-count-daily#action-5764fecc6e2c0e789d35a223)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Pro Con Count - Hourly](https://trello.com/c/oDXqo7Li) from Doing to To Do

[Jun 18 at 9:57 AM](https://trello.com/c/oDXqo7Li/27-data-transformation-scala-pro-con-count-hourly#action-5764fecae8d472d93d87568d)

dcloete (dcloete)

**dcloete** moved [Data Collection: Pro Con Word List](https://trello.com/c/LGStHuXb) from Doing to To Do

[Jun 18 at 9:56 AM](https://trello.com/c/LGStHuXb/26-data-collection-pro-con-word-list#action-5764fec98eec75eee37a5a6f)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Scala Pro Con Algorithm.](https://trello.com/c/hyroEQMY) from Doing to To Do

[Jun 18 at 9:56 AM](https://trello.com/c/hyroEQMY/25-data-transformation-scala-pro-con-algorithm#action-5764fec7da0b57015c86ea14)

dcloete (dcloete)

**dcloete** moved [Data Transformation: Counts Per Day](https://trello.com/c/y6bhrOwT) from Doing to To Do

[Jun 18 at 9:56 AM](https://trello.com/c/y6bhrOwT/24-data-transformation-counts-per-day#action-5764fec661e34beab3f008e6)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Data Transformation: Scala Pro Con Count - Daily](https://trello.com/c/HpnerOUF)

[Jun 18 at 9:56 AM](https://trello.com/c/HpnerOUF/28-data-transformation-scala-pro-con-count-daily#action-5764fea1228443c3305b3dd5)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Data Transformation: Scala Pro Con Count - Hourly](https://trello.com/c/oDXqo7Li)

[Jun 18 at 9:56 AM](https://trello.com/c/oDXqo7Li/27-data-transformation-scala-pro-con-count-hourly#action-5764fe98c55416443ec2a453)

dcloete (dcloete)

**dcloete** added [Data Transformation: Scala Pro Con Count - Daily](https://trello.com/c/HpnerOUF) to Doing

[Jun 18 at 9:56 AM](https://trello.com/c/HpnerOUF/28-data-transformation-scala-pro-con-count-daily#action-5764fe8f55cdd42f8ead6485)

dcloete (dcloete)

**dcloete** added [Data Transformation: Scala Pro Con Count - Hourly](https://trello.com/c/oDXqo7Li) to Doing

[Jun 18 at 9:55 AM](https://trello.com/c/oDXqo7Li/27-data-transformation-scala-pro-con-count-hourly#action-5764fe8a77b175418e2f19c1)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to [Data Collection: Pro Con Word List](https://trello.com/c/LGStHuXb)

[Jun 18 at 9:54 AM](https://trello.com/c/LGStHuXb/26-data-collection-pro-con-word-list#action-5764fe47cf6a4d8e5c4f3604)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Data Transformation: Scala Pro Con Algorithm.](https://trello.com/c/hyroEQMY)

[Jun 18 at 9:54 AM](https://trello.com/c/hyroEQMY/25-data-transformation-scala-pro-con-algorithm#action-5764fe4193d80259fc4f3cdb)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to [Data Transformation: Scala Pro Con Algorithm.](https://trello.com/c/hyroEQMY)

[Jun 18 at 9:54 AM](https://trello.com/c/hyroEQMY/25-data-transformation-scala-pro-con-algorithm#action-5764fe412eb508070e74ae5c)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Data Transformation: Counts Per Day](https://trello.com/c/y6bhrOwT)

[Jun 18 at 9:54 AM](https://trello.com/c/y6bhrOwT/24-data-transformation-counts-per-day#action-5764fe3c2f4c5aaa919c1c78)

dcloete (dcloete)

**dcloete** added [Data Collection: Pro Con Word List](https://trello.com/c/LGStHuXb) to Doing

[Jun 18 at 9:54 AM](https://trello.com/c/LGStHuXb/26-data-collection-pro-con-word-list#action-5764fe37d2fa82d1e3bba610)

dcloete (dcloete)

**dcloete** added [Data Transformation: Scala Pro Con Algorithm.](https://trello.com/c/hyroEQMY) to Doing

[Jun 18 at 9:54 AM](https://trello.com/c/hyroEQMY/25-data-transformation-scala-pro-con-algorithm#action-5764fe2b90f66c148f25f579)

dcloete (dcloete)

**dcloete** added [Data Transformation: Counts Per Day](https://trello.com/c/y6bhrOwT) to Doing

[Jun 18 at 9:53 AM](https://trello.com/c/y6bhrOwT/24-data-transformation-counts-per-day#action-5764fe0dc9ea9fc49dbd7a3b)

dcloete (dcloete)

**dcloete** moved [Scala program to generate CategoryCountPerHour json output for Graph](https://trello.com/c/fihExfER) from Doing to Done

[Jun 18 at 9:53 AM](https://trello.com/c/fihExfER/23-scala-program-to-generate-categorycountperhour-json-output-for-graph#action-5764fde2677d0d279d0f2b9d)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Times sheet Cards](https://trello.com/c/n83roima)

[Jun 18 at 9:48 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5764fce683e4ddd644e856c6)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Times sheet Cards](https://trello.com/c/n83roima)

[Jun 18 at 9:48 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5764fce56da19716b46740bd)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to [Times sheet Cards](https://trello.com/c/n83roima)

[Jun 18 at 9:48 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5764fce56d7dbd7809c7ed03)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Times sheet Cards](https://trello.com/c/n83roima)

[Jun 18 at 9:48 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5764fce4b0eeebb3bb91539f)

dcloete (dcloete)

**dcloete** joined [Times sheet Cards](https://trello.com/c/n83roima)

[Jun 18 at 9:48 AM](https://trello.com/c/n83roima/4-times-sheet-cards#action-5764fce423eb889d5c1fc01d)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Project Report](https://trello.com/c/1HMk5CgD)

[Jun 18 at 9:48 AM](https://trello.com/c/1HMk5CgD/6-project-report#action-5764fcdfa0eb806509e328ca)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Project Report](https://trello.com/c/1HMk5CgD)

[Jun 18 at 9:48 AM](https://trello.com/c/1HMk5CgD/6-project-report#action-5764fcde79e240dfe3b8d0c2)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to[Project Report](https://trello.com/c/1HMk5CgD)

[Jun 18 at 9:48 AM](https://trello.com/c/1HMk5CgD/6-project-report#action-5764fcdee5a462dc81638816)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Project Report](https://trello.com/c/1HMk5CgD)

[Jun 18 at 9:48 AM](https://trello.com/c/1HMk5CgD/6-project-report#action-5764fcde93515af781179678)

dcloete (dcloete)

**dcloete** joined [Project Report](https://trello.com/c/1HMk5CgD)

[Jun 18 at 9:48 AM](https://trello.com/c/1HMk5CgD/6-project-report#action-5764fcdd040ec7e69c663739)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[BRD](https://trello.com/c/wbN7fxem)

[Jun 18 at 9:48 AM](https://trello.com/c/wbN7fxem/11-brd#action-5764fcd992b7f79c3d8a4a3c)

dcloete (dcloete)

**dcloete** added **mkhwinana** to[Presentation](https://trello.com/c/nHNRdupV)

[Jun 18 at 9:48 AM](https://trello.com/c/nHNRdupV/14-presentation#action-5764fcd34014559fc7153801)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Presentation](https://trello.com/c/nHNRdupV)

[Jun 18 at 9:48 AM](https://trello.com/c/nHNRdupV/14-presentation#action-5764fcd3377dc31d88354cde)

dcloete (dcloete)

**dcloete** added **Kyle Trehaeven** to[Presentation](https://trello.com/c/nHNRdupV)

[Jun 18 at 9:48 AM](https://trello.com/c/nHNRdupV/14-presentation#action-5764fcd20d17330f3e45303c)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Presentation](https://trello.com/c/nHNRdupV)

[Jun 18 at 9:48 AM](https://trello.com/c/nHNRdupV/14-presentation#action-5764fcd218e0b59e5c865f80)

dcloete (dcloete)

**dcloete** joined [Presentation](https://trello.com/c/nHNRdupV)

[Jun 18 at 9:48 AM](https://trello.com/c/nHNRdupV/14-presentation#action-5764fcd1621389a0885b7bc7)

dcloete (dcloete)

**dcloete** moved [Presentation](https://trello.com/c/nHNRdupV) from To Do to Doing

[Jun 18 at 9:48 AM](https://trello.com/c/nHNRdupV/14-presentation#action-5764fcd03a0764cc8e095299)

dcloete (dcloete)

**dcloete** moved [Kyle and Matso to agree on a standard format between the .NET and Java twitter feed readers](https://trello.com/c/lCqv0b1p) from To Do to Done

[Jun 18 at 9:48 AM](https://trello.com/c/lCqv0b1p/22-kyle-and-matso-to-agree-on-a-standard-format-between-the-net-and-java-twitter-feed-readers#action-5764fcc897bd28f99140dd3d)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[Infrastructure Design](https://trello.com/c/9vkK8m3d)

[Jun 18 at 9:48 AM](https://trello.com/c/9vkK8m3d/12-infrastructure-design#action-5764fcc224c8f154c7a60cd9)

dcloete (dcloete)

**dcloete** moved [Infrastructure Design](https://trello.com/c/9vkK8m3d) from To Do to Done

[Jun 18 at 9:48 AM](https://trello.com/c/9vkK8m3d/12-infrastructure-design#action-5764fcbed884b1a40d6a2a56)

dcloete (dcloete)

**dcloete** moved [High level Design](https://trello.com/c/qMS08X1j) from Done to Doing

[Jun 18 at 9:48 AM](https://trello.com/c/qMS08X1j/13-high-level-design#action-5764fcbc62319f7b8ef23333)

dcloete (dcloete)

**dcloete** moved [Define Project Methodology](https://trello.com/c/ioCJDAyo) from To Do to Done

[Jun 18 at 9:47 AM](https://trello.com/c/ioCJDAyo/15-define-project-methodology#action-5764fc9f5f239fda3002d5fb)

dcloete (dcloete)

**dcloete** moved [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8) from Doing to Done

[Jun 18 at 9:47 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-5764fc98deea7e4909a52ddd)

dcloete (dcloete)

**dcloete** moved [High level Design](https://trello.com/c/qMS08X1j) from Doing to Done

[Jun 18 at 9:47 AM](https://trello.com/c/qMS08X1j/13-high-level-design#action-5764fc93e951effc2c29d9a6)

dcloete (dcloete)

**dcloete** added **Sidwell Mokhemisa** to[High level Design](https://trello.com/c/qMS08X1j)

[Jun 18 at 9:47 AM](https://trello.com/c/qMS08X1j/13-high-level-design#action-5764fc8fffe52ad55b870302)

dcloete (dcloete)

**dcloete** moved [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id) from Doing to Done

[Jun 18 at 9:47 AM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-5764fc89095f30fd44e23c6d)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [POC - Hadoop/Apache Spark database setup](https://trello.com/c/ZQvofwk9)from Doing to Done

[Jun 13 at 5:42 PM](https://trello.com/c/ZQvofwk9/7-poc-hadoop-apache-spark-database-setup#action-575ed480e5ee4fe20a9ee134)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** joined [Scala program to generate CategoryCountPerHour json output for Graph](https://trello.com/c/fihExfER)

[Jun 13 at 5:42 PM](https://trello.com/c/fihExfER/23-scala-program-to-generate-categorycountperhour-json-output-for-graph#action-575ed468da21b1b647776908)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added [Scala program to generate CategoryCountPerHour json output for Graph](https://trello.com/c/fihExfER) to Doing

[Jun 13 at 5:42 PM](https://trello.com/c/fihExfER/23-scala-program-to-generate-categorycountperhour-json-output-for-graph#action-575ed4625353a1af461fcfbc)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added **mkhwinana**to [Kyle and Matso to agree on a standard format between the .NET and Java twitter feed readers](https://trello.com/c/lCqv0b1p)

[Jun 11 at 11:10 PM](https://trello.com/c/lCqv0b1p/22-kyle-and-matso-to-agree-on-a-standard-format-between-the-net-and-java-twitter-feed-readers#action-575c7e588e0fe5d347c2408a)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added **Kyle Trehaeven** to [Kyle and Matso to agree on a standard format between the .NET and Java twitter feed readers](https://trello.com/c/lCqv0b1p)

[Jun 11 at 11:10 PM](https://trello.com/c/lCqv0b1p/22-kyle-and-matso-to-agree-on-a-standard-format-between-the-net-and-java-twitter-feed-readers#action-575c7e57e7c6834339cb1348)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added [Kyle and Matso to agree on a standard format between the .NET and Java twitter feed readers](https://trello.com/c/lCqv0b1p) to To Do

[Jun 11 at 11:10 PM](https://trello.com/c/lCqv0b1p/22-kyle-and-matso-to-agree-on-a-standard-format-between-the-net-and-java-twitter-feed-readers#action-575c7e510bf1fca5c4d511c5)

mkhwinana (mkhwinana)

**mkhwinana** completed Configure Netbeans to use node.js on [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8)

[May 24 at 11:12 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57441b073f5c004992818ba5)

mkhwinana (mkhwinana)

**mkhwinana** completed Download and install node.js on [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8)

[May 24 at 11:12 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57441b05651e19d0d71e72a9)

mkhwinana (mkhwinana)

**mkhwinana** added Tasks to [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8)

[May 24 at 11:11 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57441aae8bf801e96dbe4996)

mkhwinana (mkhwinana)

**mkhwinana** joined [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8)

[May 24 at 11:10 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57441a9679724561891e50f4)

mkhwinana (mkhwinana)

**mkhwinana** moved [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb) from Doing to Done

[May 24 at 11:10 AM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-57441a90ed0017328717cf9c)

mkhwinana (mkhwinana)

**mkhwinana** moved [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8) from Research to Doing

[May 24 at 11:10 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57441a8b1af19fe36de1bacd)

mkhwinana (mkhwinana)

**mkhwinana** added [Learn Node.js and d3 visualisation framework](https://trello.com/c/2WuhL1n8) to Research

[May 24 at 11:10 AM](https://trello.com/c/2WuhL1n8/21-learn-node-js-and-d3-visualisation-framework#action-57441a83af87e226a96089b9)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** joined [Create GitHub project](https://trello.com/c/UUsIRnAH)

[May 16 at 3:40 PM](https://trello.com/c/UUsIRnAH/20-create-github-project#action-5739cdc944df5286dadd089c)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added [Create GitHub project](https://trello.com/c/UUsIRnAH) to Done

[May 16 at 3:40 PM](https://trello.com/c/UUsIRnAH/20-create-github-project#action-5739cdc20a6faebc127c051b)

dcloete (dcloete)

**dcloete** added Checklist to [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id)

[May 8 at 6:54 PM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-572f6f5b8febe484fcd2157c)

dcloete (dcloete)

**dcloete** moved [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n) from Doing to Done

[May 8 at 11:58 AM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-572f0dad621c52c61d3240f9)

dcloete (dcloete)

**dcloete** completed (Presentation)Node JS to serve HTML resources??? on [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n)

[May 3 at 12:25 AM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-5727d3cf771ae5daa2b7e0ec)

dcloete (dcloete)

**dcloete** joined [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id)

[May 3 at 12:24 AM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-5727d3b691b7e2c538a5e311)

dcloete (dcloete)

**dcloete** moved [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id) from To Do to Doing

[May 3 at 12:24 AM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-5727d3b33e33d714b7ae66b6)

dcloete (dcloete)

**dcloete** moved [Get a NAS](https://trello.com/c/SG56AfVG) from Doing to Done

[May 1 at 10:37 AM](https://trello.com/c/SG56AfVG/17-get-a-nas#action-5725c04885b2df915b0816d4)

dcloete (dcloete)

**dcloete** moved [Get a NAS](https://trello.com/c/SG56AfVG) from To Do to Doing

[Apr 28 at 7:19 PM](https://trello.com/c/SG56AfVG/17-get-a-nas#action-57224617fe682e0b427cd08f)

**SM**

**Sidwell Mokhemisa** deleted card #19 from To Do

Apr 28 at 2:19 PM

**SM**

**Sidwell Mokhemisa** moved [High level Design](https://trello.com/c/qMS08X1j) from To Do to Doing

[Apr 28 at 2:18 PM](https://trello.com/c/qMS08X1j/13-high-level-design#action-5721ff8cfc57f398af83d2e4)

**SM**

**Sidwell Mokhemisa** attached [ELEN7046 Group 2 - Project Ver0.1.pptx](https://www.dropbox.com/s/r6ezwb7bf7qrkx6/ELEN7046%20Group%202%20-%20Project%20Ver0.1.pptx?dl=0) to [High level Design](https://trello.com/c/qMS08X1j)

[Apr 28 at 2:14 PM](https://trello.com/c/qMS08X1j/13-high-level-design#action-5721feabd023a23bc95998c2)

**SM**

**Sidwell Mokhemisa** joined this board

Apr 28 at 2:05 PM

**KT**

**Kyle Trehaeven** moved [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb) from To Do to Doing

[Apr 27 at 5:53 PM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-5720e090b3c5bc48681eb515)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [Create slack Group](https://trello.com/c/rgr4tJBy) from Doing to Done

[Apr 26 at 7:41 AM](https://trello.com/c/rgr4tJBy/10-create-slack-group#action-571eff9ed3896415f7d1e8a1)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [Create slack Group](https://trello.com/c/rgr4tJBy) from To Do to Doing

[Apr 26 at 7:27 AM](https://trello.com/c/rgr4tJBy/10-create-slack-group#action-571efc5a90f1658d6ccfb0eb)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** moved [POC - Hadoop/Apache Spark database setup](https://trello.com/c/ZQvofwk9)from To Do to Doing

[Apr 25 at 10:55 AM](https://trello.com/c/ZQvofwk9/7-poc-hadoop-apache-spark-database-setup#action-571ddb70ce4e1cc8b6d4e020)

dcloete (dcloete)

**dcloete** added [Raspbian Emulators](https://trello.com/c/MIfXTlmg) to Research

Apr 24 at 7:09 PM

dcloete (dcloete)

**dcloete** on [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n)

Node.js Libraries for Hadoop access:<https://github.com/forward/node-hdfs>  
<https://github.com/harrisiirak/webhdfs>

WebHDFS REST API:<http://hadoop.apache.org/docs/current/hadoop-project-dist/hadoop-hdfs/WebHDFS.html>  
REF:<https://www.packtpub.com/books/content/introduction-using-nodejs-and-hadoop-store-distributed-data>

[Apr 24 at 7:01 PM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#comment-571cfbdfb050b61e7d6df97e)

dcloete (dcloete)

**dcloete** on [Get a NAS](https://trello.com/c/SG56AfVG)

I'll either get my NAS cleared up or see if I can borrow a better one from a friend.  
Will try and get it before our 2nd meeting.

[Apr 24 at 6:50 PM](https://trello.com/c/SG56AfVG/17-get-a-nas#comment-571cf93843353e1f9f8d71e4)

dcloete (dcloete)

**dcloete** joined [Get a NAS](https://trello.com/c/SG56AfVG)

[Apr 24 at 6:49 PM](https://trello.com/c/SG56AfVG/17-get-a-nas#action-571cf913e1f5f5b86cf6e525)

dcloete (dcloete)

**dcloete** added [Get a NAS](https://trello.com/c/SG56AfVG) to To Do

[Apr 24 at 6:48 PM](https://trello.com/c/SG56AfVG/17-get-a-nas#action-571cf8f8a6137429ec36a6d3)

dcloete (dcloete)

**dcloete** added [Want to know more about RaspBerry](https://trello.com/c/jewHn8hU) to Research

Apr 24 at 6:45 PM

dcloete (dcloete)

**dcloete** added Checklist to [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n)

[Apr 24 at 6:41 PM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-571cf721af2f1976b1f0a0e7)

dcloete (dcloete)

**dcloete** moved [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n) from To Do to Doing

[Apr 24 at 6:40 PM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-571cf6fa8f1e4a5b9e3e8871)

**KT**

**Kyle Trehaeven** joined [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb)

[Apr 24 at 5:53 PM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-571cec025aa61e5d9fd8ef16)

**KT**

**Kyle Trehaeven** joined this board

Apr 24 at 5:53 PM

dcloete (dcloete)

**dcloete** added [Define Project Methodology](https://trello.com/c/ioCJDAyo) to To Do

[Apr 24 at 4:52 PM](https://trello.com/c/ioCJDAyo/15-define-project-methodology#action-571cddbd07d7932148796b88)

dcloete (dcloete)

**dcloete** added [Presentation](https://trello.com/c/nHNRdupV) to To Do

[Apr 24 at 4:51 PM](https://trello.com/c/nHNRdupV/14-presentation#action-571cdd8fc8aa0a3f15460a1e)

dcloete (dcloete)

**dcloete** archived [Find viable sources for Financial Data](https://trello.com/c/a4qDNrTU)

Apr 24 at 4:48 PM

dcloete (dcloete)

**dcloete** moved [Find viable sources for Financial Data](https://trello.com/c/a4qDNrTU) from To Do to Done

Apr 24 at 4:48 PM

dcloete (dcloete)

**dcloete** moved [Investigate Twitter API for search capability](https://trello.com/c/cIIqdrhh) from To Do to Done

[Apr 24 at 4:47 PM](https://trello.com/c/cIIqdrhh/2-investigate-twitter-api-for-search-capability#action-571cdc950f78220982bff620)

mkhwinana (mkhwinana)

**mkhwinana** changed the background of this board

Apr 24 at 4:46 PM

dcloete (dcloete)

**dcloete** added [High level Design](https://trello.com/c/qMS08X1j) to To Do

[Apr 24 at 4:44 PM](https://trello.com/c/qMS08X1j/13-high-level-design#action-571cdbb43bc54b7b64870905)

dcloete (dcloete)

**dcloete** added [Infrastructure Design](https://trello.com/c/9vkK8m3d) to To Do

[Apr 24 at 4:43 PM](https://trello.com/c/9vkK8m3d/12-infrastructure-design#action-571cdba648b82ea99e9af28f)

dcloete (dcloete)

**dcloete** added [BRD](https://trello.com/c/wbN7fxem) to To Do

[Apr 24 at 4:43 PM](https://trello.com/c/wbN7fxem/11-brd#action-571cdb9f0f07a64f9f5b0a35)

dcloete (dcloete)

**dcloete** added **mkhwinana** to [Investigate Twitter API for search capability](https://trello.com/c/cIIqdrhh)

[Apr 24 at 4:43 PM](https://trello.com/c/cIIqdrhh/2-investigate-twitter-api-for-search-capability#action-571cdb94970157e0fbedc556)

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[Create slack Group](https://trello.com/c/rgr4tJBy)

[Apr 24 at 4:42 PM](https://trello.com/c/rgr4tJBy/10-create-slack-group#action-571cdb453b7c7ec59e7085da)

dcloete (dcloete)

**dcloete** added [Create slack Group](https://trello.com/c/rgr4tJBy) to To Do

[Apr 24 at 4:42 PM](https://trello.com/c/rgr4tJBy/10-create-slack-group#action-571cdb3b759565824e730d1d)

mkhwinana (mkhwinana)

**mkhwinana** added Tasks to [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb)

[Apr 24 at 4:41 PM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-571cdb0514acfc72edade301)

mkhwinana (mkhwinana)

**mkhwinana** joined [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb)

[Apr 24 at 4:39 PM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-571cdaa6c94ea923a25d5eb6)

mkhwinana (mkhwinana)

**mkhwinana** joined this board

Apr 24 at 4:39 PM

dcloete (dcloete)

**dcloete** added **Gareth Stephenson** to[POC - Hadoop/Apache Spark database setup](https://trello.com/c/ZQvofwk9)

[Apr 24 at 4:37 PM](https://trello.com/c/ZQvofwk9/7-poc-hadoop-apache-spark-database-setup#action-571cda20dd245283f667bea6)

dcloete (dcloete)

**dcloete** joined [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n)

[Apr 24 at 4:36 PM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-571cda06ba65d4ea6408ec12)

dcloete (dcloete)

**dcloete** left [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id)

[Apr 24 at 4:36 PM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-571cd9fd90dcde8b781ac8c8)

dcloete (dcloete)

**dcloete** added Checklist to [Times sheet Cards](https://trello.com/c/n83roima)

[Apr 24 at 4:34 PM](https://trello.com/c/n83roima/4-times-sheet-cards#action-571cd9675e4c7949150d83cb)

dcloete (dcloete)

**dcloete** added Checklist to [Project Report](https://trello.com/c/1HMk5CgD)

[Apr 24 at 4:33 PM](https://trello.com/c/1HMk5CgD/6-project-report#action-571cd94c06700071fc1fe70e)

dcloete (dcloete)

**dcloete** joined [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id)

[Apr 24 at 4:32 PM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-571cd8fc0f07a64f9f5af98a)

dcloete (dcloete)

**dcloete** added [POC - Visualisation (D3.js)](https://trello.com/c/w8OdV0Id)to To Do

[Apr 24 at 4:32 PM](https://trello.com/c/w8OdV0Id/9-poc-visualisation-d3-js#action-571cd8ee7a648632353bf463)

dcloete (dcloete)

**dcloete** added [POC - Web Server (Node.js)](https://trello.com/c/EUbOER2n) to To Do

[Apr 24 at 4:32 PM](https://trello.com/c/EUbOER2n/8-poc-web-server-node-js#action-571cd8e4782ed26496004ca3)

dcloete (dcloete)

**dcloete** added [POC - Hadoop/Apache Spark database setup](https://trello.com/c/ZQvofwk9) to To Do

[Apr 24 at 4:31 PM](https://trello.com/c/ZQvofwk9/7-poc-hadoop-apache-spark-database-setup#action-571cd8d9d77ff98ffc0f25d3)

dcloete (dcloete)

**dcloete** added [Project Report](https://trello.com/c/1HMk5CgD) to To Do

[Apr 24 at 4:29 PM](https://trello.com/c/1HMk5CgD/6-project-report#action-571cd8352ff514ee46218d6b)

dcloete (dcloete)

**dcloete** added [POC - Data Extractor (Java/.NET Twitter API interaction)](https://trello.com/c/qDY2ZAEb) to To Do

[Apr 24 at 4:28 PM](https://trello.com/c/qDY2ZAEb/5-poc-data-extractor-java-net-twitter-api-interaction#action-571cd81b0db581e26b62c82c)

dcloete (dcloete)

**dcloete** added [Times sheet Cards](https://trello.com/c/n83roima) to To Do

[Apr 24 at 4:17 PM](https://trello.com/c/n83roima/4-times-sheet-cards#action-571cd58a8672c6637c80e858)

dcloete (dcloete)

**dcloete** added[https://software.intel.com/sites/default/files/article/402274/etl-big-data-with-hadoop.pdf](https://trello.com/c/E6ALykQ3) to Research

Apr 24 at 3:52 PM

dcloete (dcloete)

**dcloete** added Research to this board

Apr 24 at 3:52 PM

dcloete (dcloete)

**dcloete** joined this board

Apr 24 at 3:30 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added [Investigate Twitter API for search capability](https://trello.com/c/cIIqdrhh) to To Do

[Apr 21 at 1:36 PM](https://trello.com/c/cIIqdrhh/2-investigate-twitter-api-for-search-capability#action-5718bb4b898d331ec0e5707c)

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added [Find viable data sources for Financial Data](https://trello.com/c/a4qDNrTU) to To Do

Apr 21 at 1:36 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added Done to this board

Apr 21 at 12:26 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added Blocked to this board

Apr 21 at 12:26 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added Doing to this board

Apr 21 at 12:26 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added To Do to this board

Apr 21 at 12:26 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** added this board to[ELEN7046 - Group 2](https://trello.com/5718aa04ad9e8d4b0f3287a5)

Apr 21 at 12:24 PM

Gareth Stephenson (garethstephenson1)

**Gareth Stephenson** created this board