Final Assessment

Milestone-1:

1. Calculate Monthly average NAV, Repurchase & Sale Price for each scheme

Ans:

{{ config(materialized='table') }}

select a."NAME",month(n."nav\_date") as month,avg(n."nav") as avg\_nav,avg(n."repurchase\_price") as avg\_repurchase,

avg(n."sale\_price") as avg\_sale\_price from "FINALASSESSMENT\_DB"."FINAL"."NAVHISTORY" as n,

"FINALASSESSMENT\_DB"."FINAL"."AMC" as a,

"FINALASSESSMENT\_DB"."FINAL"."MUTUALFUND" as m

where m."amc\_id"=a."ID"

and m."code"=n."code" group by a."NAME",month(n."nav\_date")

Output:

Graphical user interface, text, application

Description automatically generated

1. Find out each scheme’s Max and Min NAV value and Date it occurred

Ans:

{{ config(materialized='table') }}

select a."NAME",min(n."nav\_date") as date,max(n."nav") as Max\_NAV,

min(n."nav") as min\_nav

from "FINALASSESSMENT\_DB"."FINAL"."NAVHISTORY" as n,

"FINALASSESSMENT\_DB"."FINAL"."AMC" as a,

"FINALASSESSMENT\_DB"."FINAL"."MUTUALFUND" as m

where m."amc\_id"=a."ID"

and m."code"=n."code"

group by a."NAME"

Output:

Graphical user interface, text, application

Description automatically generated

Milestone-2

1) Simple: Mutual fund performance - including YTD, MTD, 1 Year and Since Inception returns. See the PPT for formula to calculate this

Ans: For this query I tried to include ytd. But I’m not getting the required result

select cast(getdate() as date) as ends\_nav,(select n1."nav" from "FINALASSESSMENT\_DB"."FINAL"."NAVHISTORY" n1

where n1."nav\_date"=datefromparts(year(n1."nav\_date"),02,06)

and n1."code"=n2."code") as end\_nav,

(select n1."nav" from "FINALASSESSMENT\_DB"."FINAL"."NAVHISTORY" n1

where n1."nav\_date"=datefromparts(year(n1."nav\_date"),01,01)

and n1."code"=n2."code") as start\_nav,

((end\_nav-start\_nav)/start\_nav\*100) as ytd

from "FINALASSESSMENT\_DB"."FINAL"."NAVHISTORY" n2

order by n2."nav\_date" asc;

Output:

Graphical user interface, text, application

Description automatically generated

1. Simple: Plot performance of upto 3 funds for the past 3 months

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3)

For the remaining milestone, I’m getting errors as everything is dependent on ytd, mtd, 1 year and since inception returns. Here I’m attaching the queries I have for these milestones.

Errors that I got for these milestones are: continuous loading when I try to execute the query and unsupported subquery

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Milestone-3:

3) Distribution of latest mutual funds based on category. [pie]

Graphical user interface, application

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