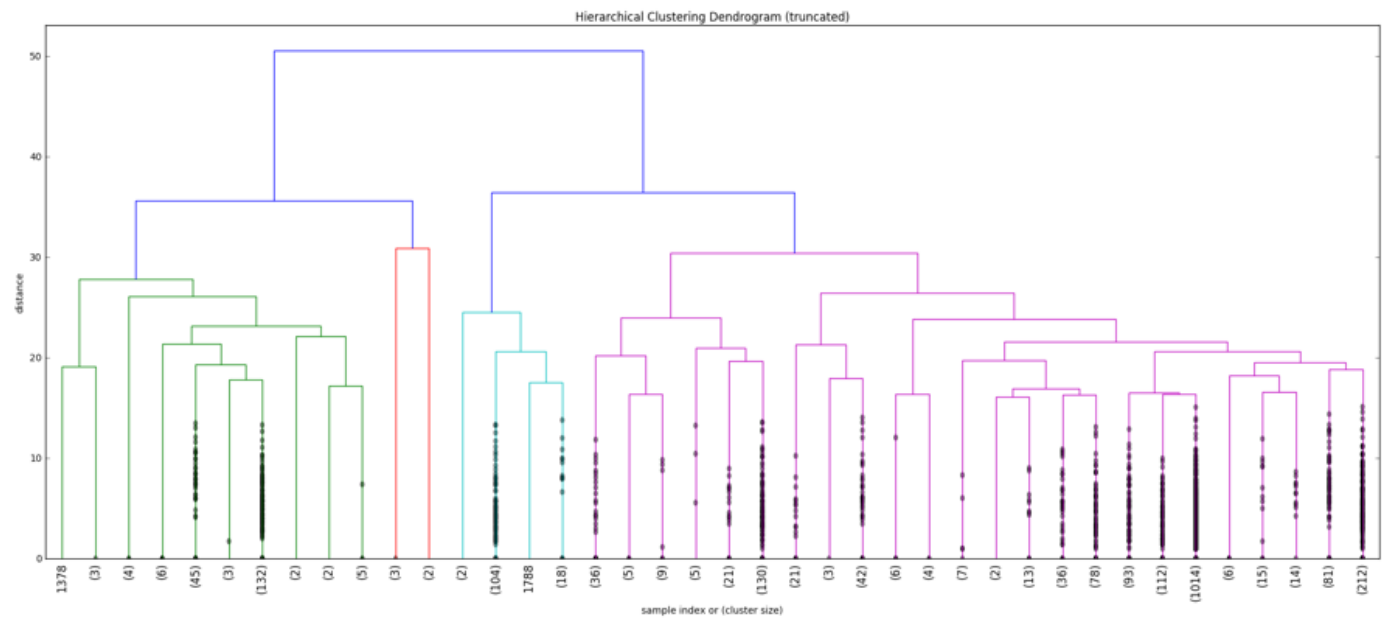
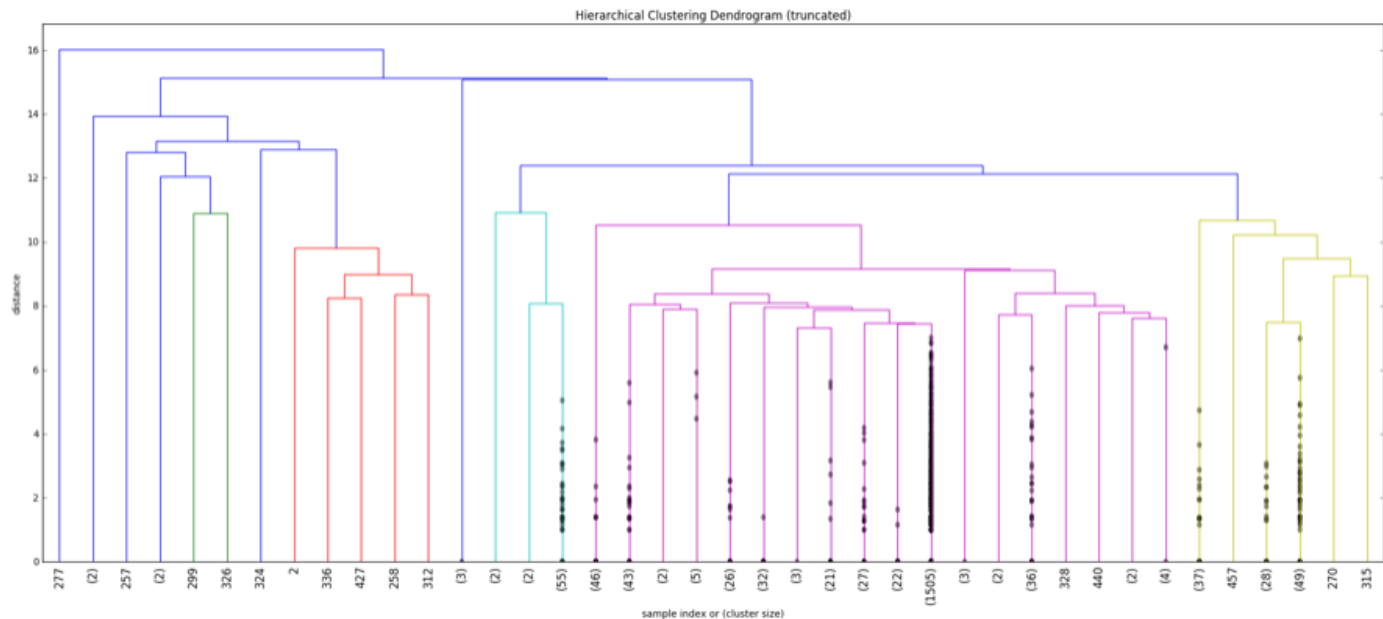


MIRC Data Analysis with Radlex

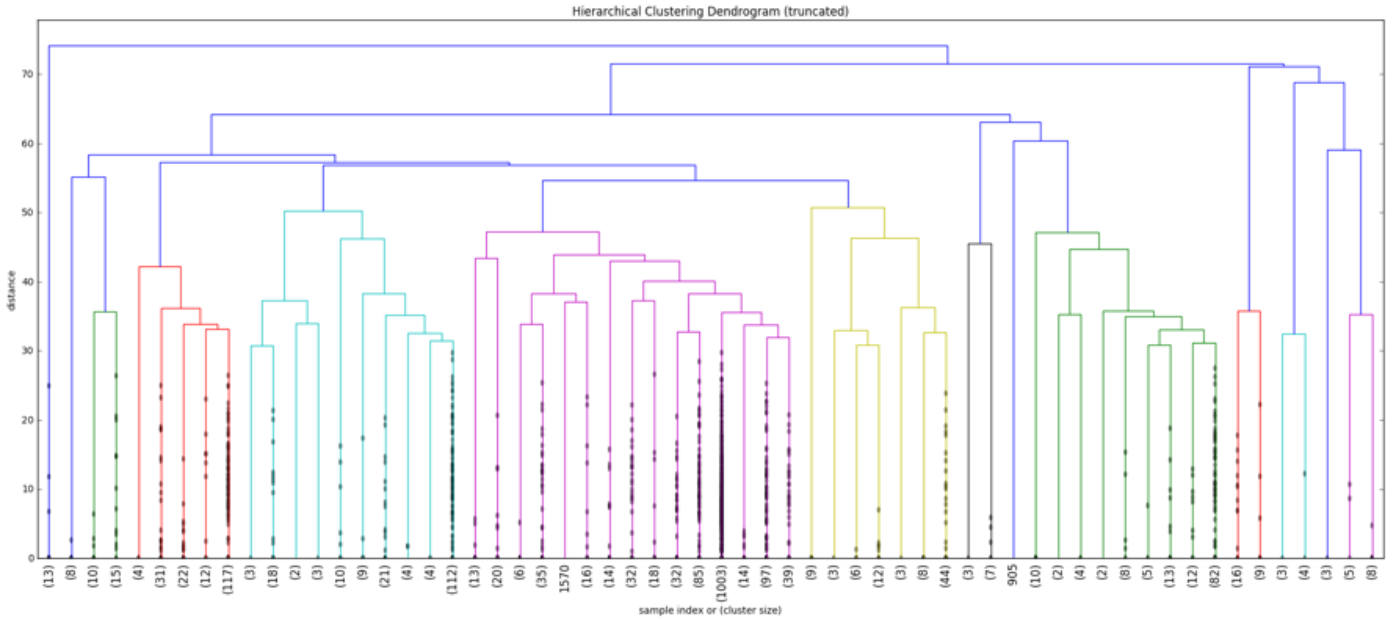
Findings Category:



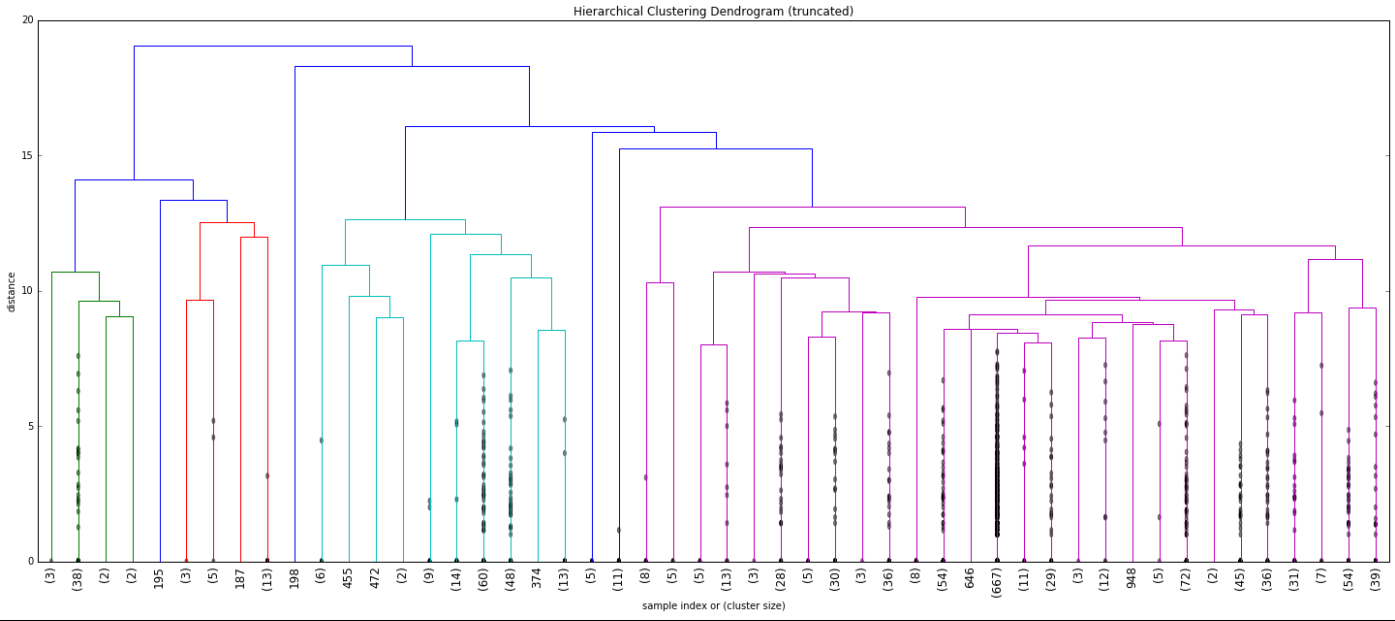
Diagnosis Category:



Discussion/Comments:



DDX Category:



Successfully Created the Coverage Tree for DDX Terms:

DDX_RSNA (All Radlex terms used in DDX Category):

Hemophilia of the knee	Leukemia (ALL)	Metastatic neuroblastoma	Asphyxiating Thoracic Dysplasia	Helium Contrast	Anoxic brain injury
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Radlex Raw Tree Data [Over all Radlex Terms in Radlex Dictionary from Radlex.csv file]

[NodeName, NodeID, ParentID]

```
[ 'Helium contrast', 'RID11593', 'RID11589'],
[ 'Xenon contrast', 'RID11594', 'RID11589'],
[ 'water contrast', 'RID11595', 'RID11582'],
[ 'oil contrast', 'RID11596', 'RID11582'],
```

We create a Path out of Radlex Raw Tree:

Step-1: We see if the nodeid is not in the list of all ParentID

Step-2: We create a function to generate the whole Raw Path

For e.g. 'Helium Contrast' > RID11593 > RID11589 > RID11582 > RID35973 > RID7479 > RID1

Step-3: We reverse this path

i.e. RID1 > RID7479 > RID35973 > RID11582 > RID11589 > RID11593 > 'Helium Contrast'

Step-4: We see if the 'Helium Contrast' is **present** in DDX RSNA, if present we are writing it to a file.

Generated this for DDX:

	A	B	C	D	E	F	G	H	I	J	K	L	M
1	L0	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	size	covered
2	RadLex en	imaging m	magnetic	resonance spectroscopy								1	0
3	RadLex en	imaging m	magnetic	functional magnetic resonance imaging								1	0
4	RadLex en	imaging m	magnetic	magnetic resonance angiography								1	0
5	RadLex en	imaging m	tomograp	computed quantitative computed tomography								1	0
6	RadLex en	imaging m	nuclear m	single phc planar nuclear medicine imaging								1	0
7	RadLex en	imaging m	nuclear m	bremsstrahlung imaging								1	0
8	RadLex en	imaging m	nuclear m	positron emission tomography								1	0
9	RadLex en	imaging m	projector	computed radiography								1	0
10	RadLex en	imaging m	projector	digital radiography								1	0